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OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

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MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

TRANSMITTING

A REPORT BY THE SECRETARY OF AGRICULTURE RELATING TO  
THE OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR  
THE YEAR ENDED JUNE 30, 1904.

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JANUARY 9, 1905.—Referred to the Committee on Agriculture and ordered to be printed, with accompanying papers.

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*To the Senate and House of Representatives:*

I transmit herewith a report, by the Secretary of Agriculture, of the operations of the Bureau of Animal Industry of the Department of Agriculture for the fiscal year ended June 30, 1904, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

THEODORE ROOSEVELT.

WHITE HOUSE, January 9, 1905.

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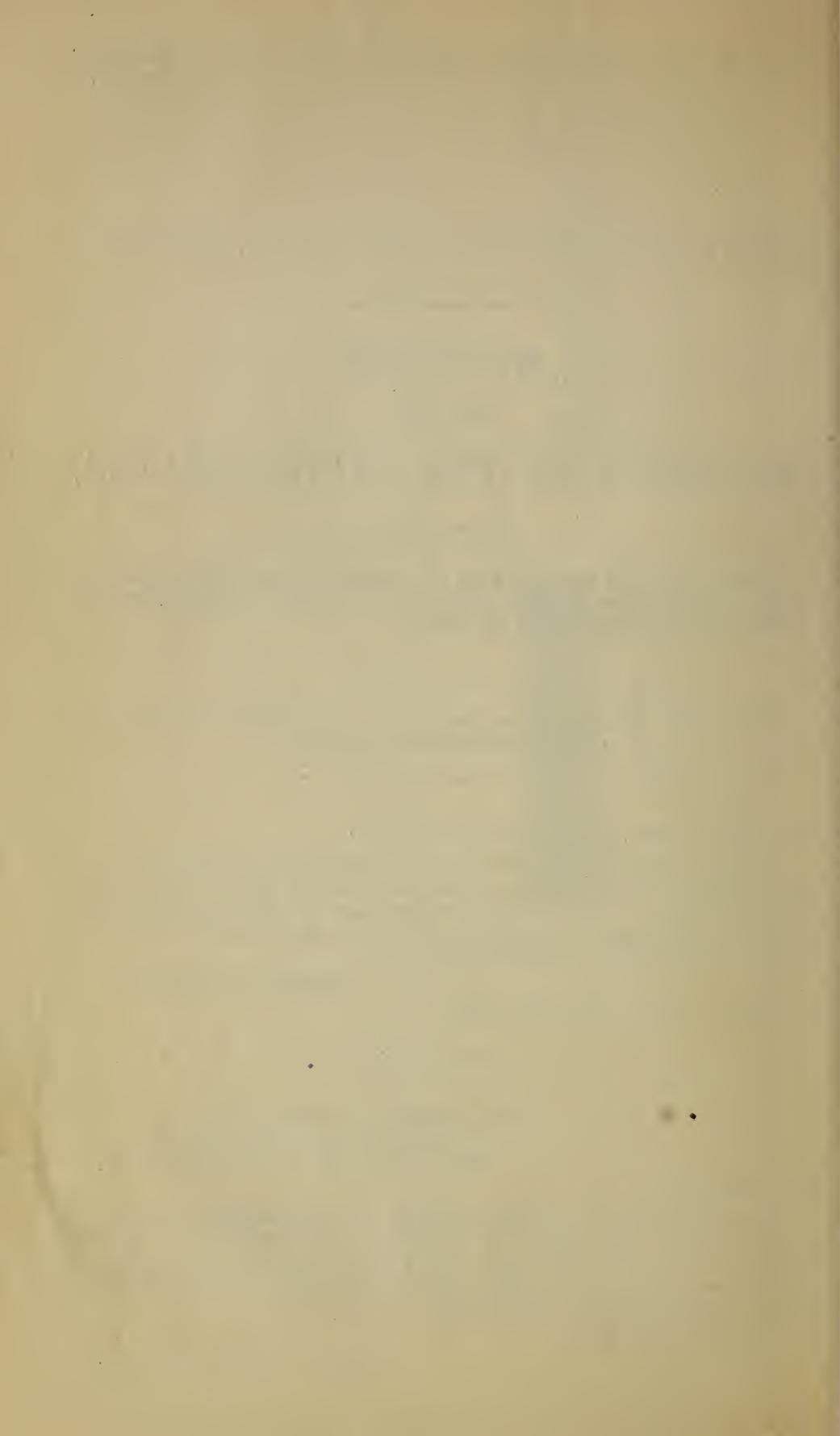
DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
Washington, D. C., January 7, 1905.

The PRESIDENT:

I have the honor to submit herewith, for transmittal to Congress, a report of the operations of the Bureau of Animal Industry of this Department for the fiscal year ended June 30, 1904, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

JAMES WILSON, *Secretary.*



## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1904.

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### CONTROL OF CONTAGIOUS DISEASES.

#### SCAB OF SHEEP, CATTLE, AND HORSES.

It became evident last year that the means which the Bureau had employed up to that time to stamp out sheep scab were not proving as effectual as desired. This condition was due to various drawbacks. During the year just closed the methods of work were not changed in essential particulars, but the force of inspectors was increased, and wherever possible their work was concentrated until the scab was cleaned up from that point.

Last year the legislature of Wyoming, realizing that the sheep industry of that State could not prosper until the scab was eradicated, enacted a law providing for the cooperation of the board of sheep commissioners with this Bureau. Each of the inspectors of the Bureau in Wyoming received the additional appointment of inspector for the State. The result is stated by the board of sheep commissioners as follows:

All sheep in the scab-infected counties were treated, and early in the spring of the present year the effects of the general dipping in 1903 were apparent, fully 75 per cent of the bands treated for the disease having been cleaned up. This season it was decided to continue the dipping, and we are pleased to note that the sheep men of the State, with few exceptions, are complying with the orders of the board.

Last fall the counties of Albany, Laramie, Converse, and Weston were declared clean, and shipments went forth from those counties unrestricted. This year it is believed other counties will be declared clean, and in a short time Wyoming will be stricken from the list of scab-infested States.

It can now be stated, some months since the above was written, that the final work will soon be done in Wyoming and the Bureau's force of inspectors will be employed elsewhere.

The total number of inspections of sheep for scabies during the fiscal year was 40,967,961; the total number of dippings was 9,578,476, of which 1,957,278 were redippings. The number of cars cleaned and disinfected under the supervision of employees of the Bureau on account of this disease was 2,732.

The total number of inspections of cattle for scabies during the fiscal year was 1,124,321; the total number of dippings was 157,757, of which 59,788 were redippings. The number of cars cleaned and disinfected on account of this disease, under the supervision of employees of the Bureau, was 532.

The number of horses inspected from January 1 to June 30, 1904, was 752; of which 453 were found to be scabby; 138 infected were dipped in lime and sulphur. Three cars which had contained scabby horses were cleaned and disinfected.

## VENEREAL DISEASE OF HORSES.

Work for stamping out a venereal disease of horses, the so-called maladie du coït, has been carried on since its inauguration under the immediate supervision of the Quarantine Division. In reporting upon it for the previous fiscal year some of the obstacles to the ready eradication of the disease were referred to. Among these obstacles have been the wild state of most of the country over which the disease has spread, the unbroken condition of the animals, and the lack of cooperation and aid on the part of owners throughout the worst infected sections, these being in and adjacent to the Indian reservations of South Dakota. Nevertheless, owing to the vigorous manner in which the work was prosecuted and the success then already attained, the hope was expressed that this disease might at a not very remote period be entirely stamped out. It is gratifying to be able to state that the hope then expressed has been so far realized that in the great annual round-up which lasted this year from June 1 to 28, inclusive, not a single diseased animal nor a suspect was found.

During the year 76 animals were slaughtered because of showing evidences of the disease—4 stallions and 72 mares. In addition, 1,103 stallions which were running at large were castrated, and 302 stallions to be used for breeding purposes were tagged for identification. The total number of animals inspected was 11,604. The average indemnity paid by the Department for the 76 animals slaughtered because of being diseased was \$21.21; the total amount was \$1,612.

At the close of the year the services of laborers, who had been regularly employed in riding the range for the purpose of locating diseased animals, in performing castrations, and in doing other necessary work under the direction of the inspector in charge, were dispensed with; and under date of June 28, 1904, the Secretary of Agriculture issued an order, known as Bureau of Animal Industry Order No. 126, the subject-matter of which was regulations to prevent the spread of maladie du coït of horses. The provisions of this order, so far as they related to the work in the Indian reservations, were previously concurred in by the Secretary of the Interior.

Investigation regarding the nature and cause of this venereal disease has been continued during the past year. Additional opportunity for its study was afforded by an outbreak in eastern Iowa similar to those in Nebraska and South Dakota, and from which point an affected stallion and mare were brought to the experiment station of this Bureau for further examination. In order to make a comparative study of this disease as it occurs in the United States, and of maladie du coït, or dourine, as it occurs in France, arrangements were made through the courtesy of the late Professor Nocard for an official of this Bureau to make a study of dourine and its trypanosoma at the National Veterinary School at Alfort, France. This work was assigned to Dr. John R. Mohler, chief of the Pathological Division. Every opportunity was afforded him for the study of material at this school, and through the kindness of Doctor Nocard's assistants, Doctor Vallée and Doctor Carré, a dog was inoculated with the protozoan *Trypanosoma equiperdum*, from a horse affected with dourine, and brought to this country for the purpose of making a more detailed study of this parasite and the disease it engenders in horses.

## MEAT INSPECTION.

During the fiscal year 1904 the inspection of cattle, sheep, calves, and hogs, and their products was conducted at 152 establishments, located in 51 cities. Inspection was inaugurated at 5 establishments, 3 of which were in cities where it was already in operation in other establishments, and 2 in other places. Inspection was discontinued at 12 establishments in 8 cities where it had been in operation the preceding year. The inspection of horses for slaughter ceased during the year 1903 and was not resumed in 1904.

The following summary shows the number of establishments and the number of cities at which inspection was conducted during each fiscal year since 1891:

*Establishments and cities where meat inspection was conducted, 1891 to 1904.*

Fiscal year.	Number of establish- ments.	Number of cities.	Fiscal year.	Number of establish- ments.	Number of cities.
1891.....	9	6	1898.....	135	35
1892.....	23	12	1899.....	139	42
1893.....	37	16	1900.....	149	46
1894.....	46	17	1901.....	157	52
1895.....	55	19	1902.....	155	50
1896.....	102	26	1903.....	156	50
1897.....	128	33	1904.....	152	51

The number of inspections of live animals for slaughter and the number rejected on such examination are shown in the following table:

*Antemortem inspections for the fiscal year 1904.*

Kind of animal.	For official abattoirs in cities where inspections were made.	For abattoirs in other cities and miscella- neous buyers.	Total inspec- tions.	Rejected (subject to result of post- mortem inspec- tion).	
				At abat- toirs.	In stock yards.
Cattle .....	6,490,144	6,109,687	12,599,831	757	42,263
Sheep .....	8,106,716	6,526,413	14,633,129	1,230	12,442
Calves.....	703,507	440,455	1,143,962	500	6,555
Hogs .....	24,722,894	11,513,567	36,236,461	3,807	59,519
Total .....	40,023,261	24,590,122	64,613,383	6,294	120,779

The preceding statement, when compared with the similar statement for 1903, shows an increase of more than 8 per cent in the total number of animals inspected for official abattoirs. This increase applies to all classes of animals except sheep, the number of which decreased about  $3\frac{1}{2}$  per cent. The number of hogs inspected antemortem for official abattoirs increased about 14 per cent, the number in 1903 having been 21,707,381, as against 24,722,894 in 1904.

Following is shown the number of postmortem inspections and the number of carcasses and parts condemned (exclusive of hog carcasses condemned for trichinæ):

*Postmortem inspections for the fiscal year 1904.*

Kind of animal.	Number of inspections.			Carcasses condemned.			Parts of car- casses con- demned.
	For offi- cial abat- toirs.	On ani- mals re- jected in stock yards.	Total.	For offi- cial abat- toirs.	Animals rejected in stock yards.	Total.	
Cattle .....	6,350,011	33,069	6,383,080	12,354	3,791	16,145	5,307
Sheep .....	8,261,051	8,082	8,269,133	7,151	1,263	8,414	341
Calves .....	764,590	3,337	767,927	1,207	922	2,129	114
Hogs .....	24,128,462	41,768	24,170,230	57,516	4,971	62,487	126,840
Total .....	39,504,114	86,256	39,590,370	78,228	10,947	89,175	132,602

Here, as in the antemortem inspections, the increase over 1903 is general, except as to sheep, being, however, principally in hogs, the number increasing from 21,827,047 in 1903 to 24,170,230 in 1904.

In addition to the number of carcasses condemned for various causes on the regular postmortem inspection and for trichinæ on the microscopic inspection, the numbers shown below were tanked for other reasons, as designated in the statement.

*Animals lost otherwise than by disease.*

Manner of death.	Cattle.	Sheep.	Calves.	Hogs.	Total.
Died in yards.....	727	888	106	1,152	2,873
Killed in yards.....	1,682	1,064	1,285	13,248	17,279
Died in abattoirs.....	543	1,978	279	14,663	17,463
Total .....	2,952	3,930	1,670	29,063	37,615

The following table shows in detail the various diseases and conditions for which carcasses and parts were condemned and tanked during the year, and also includes those found dead and those killed by city inspectors:

*Causes of condemnation of carcasses and parts of carcasses, fiscal year 1904.*

Cause of condemnation.	Cattle.		Sheep.		Calves.		Hogs.	
	Car- casses.	Parts.	Car- casses.	Parts.	Car- casses.	Parts.	Car- casses.	Parts.
Actinomycosis .....	1,130	2,379	.....	.....	16	.....	55	46
Tuberculosis .....	10,173	703	11	.....	22	.....	34,656	118,820
Caseous lymphadenitis .....	.....	.....	1,593	66	.....	.....	.....	.....
Cholera and swine plague .....	.....	.....	.....	.....	58	.....	17,089	.....
Texas fever .....	71	.....	.....	.....	.....	.....	.....	.....
Echinococcus .....	.....	.....	1	.....	.....	.....	3	8
Measles .....	.....	.....	.....	.....	.....	.....	10	.....
Scabies .....	.....	.....	18	.....	.....	.....	82	.....
Eczema .....	.....	.....	.....	.....	.....	.....	9	.....
Erysipelas .....	.....	.....	.....	.....	.....	.....	6	.....
Cancer .....	68	.....	7	.....	1	.....	15	.....

*Causes of condemnation of carcasses and parts of carcasses, fiscal year 1904—Continued.*

Cause of condemnation.	Cattle.		Sheep.		Calves.		Hogs.	
	Carcasses.	Parts.	Carcasses.	Parts.	Carcasses.	Parts.	Carcasses.	Parts.
Tumor	12	2	4	—	—	—	1	538
Abscess	71	709	83	17	10	15	740	853
Pneumonia	201	—	362	1	26	—	1,137	—
Pleurisy	3	—	19	11	4	—	115	12
Carditis	—	—	2	—	—	—	—	—
Enteritis	32	—	132	—	18	—	271	—
Peritonitis	222	—	88	—	38	—	551	—
Metritis	25	—	16	—	—	—	175	—
Nephritis	11	—	45	—	5	—	52	—
Uremia	4	—	31	—	8	—	21	—
Mammitis	—	—	1	—	—	—	—	59
Septicemia	255	—	175	—	48	—	677	—
Pyemia	392	—	200	—	49	—	2,594	—
Gangrene	35	—	10	4	8	16	31	—
Anemia, emaciation, marasmus	1,870	—	3,833	—	356	—	611	—
Ascites	13	—	58	—	1	—	45	—
Jaundice	8	—	647	—	15	—	926	—
Extreme temperature, various causes	—	—	42	—	1	—	1,550	—
Pregnancy	90	—	63	—	—	—	171	—
Recent parturition	66	—	13	—	—	—	42	—
Hernia	—	—	4	—	—	—	9	—
Downers, bruised, injured, etc	1,381	1,614	905	157	176	82	306	6,752
Dead from various causes	1,270	—	2,866	—	385	—	15,815	—
Too young	—	—	—	—	1,258	—	—	—
Killed by city inspectors	1,682	—	1,064	—	1,285	—	13,248	—
Arthritis	—	—	1	—	4	—	—	—
Tapeworm	—	—	1	—	—	—	—	—
Pulmonary apoplexy	—	—	42	—	3	—	—	—
Improper bleeding	—	—	1	—	—	—	—	—
Flukes, hydatids, etc.	—	—	1	85	—	—	—	—
Distoma	—	—	2	—	—	—	—	—
Edema	—	—	2	—	1	—	—	—
Melanosis	—	—	1	—	3	—	—	—
Asphyxia	—	12	—	—	—	—	—	—
Total	19,097	5,307	12,344	341	3,799	114	91,550	126,840

The following comparative statement of postmortem inspections for official abattoirs from 1891 to 1904 shows that this work the past year was greater than in any previous year in the history of the Bureau:

*Comparative statement of animals inspected at slaughter for abattoirs having inspection, fiscal years 1891 to 1904.*

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Horses.	Total.
1891	83,889	—	—	—	—	83,889
1892	3,167,009	59,089	583,361	—	—	3,809,459
1893	3,922,079	92,947	870,512	—	—	4,885,538
1894	3,861,594	96,331	1,020,764	7,648,146	—	12,626,835
1895	3,704,042	116,093	1,428,601	13,616,539	—	18,865,275
1896	3,985,484	256,905	4,629,796	14,250,191	—	23,122,376
1897	4,242,216	273,124	5,209,161	16,808,771	—	26,533,272
1898	4,418,738	244,330	5,496,904	20,893,199	—	31,063,171
1899	4,382,020	246,184	5,603,096	23,836,943	3,332	34,071,575
1900	4,841,166	315,693	6,119,886	23,336,884	5,559	34,619,188
1901	5,219,149	413,830	6,639,212	24,642,753	1,992	36,916,936
1902	5,559,969	555,836	7,434,878	25,277,107	1,649	38,829,439
1903	6,134,410	668,855	8,585,960	21,793,738	344	37,183,307
1904	6,350,011	764,590	8,261,051	24,128,462	—	39,504,114

The meat-inspection tag or label was placed upon 22,943,067 quarters and 120,404 pieces of beef, 8,230,528 carcasses of sheep, 765,301 carcasses of calves 1,122,193 carcasses of hogs, and 726,779 sacks of pork.

Following is shown the number of meat-inspection stamps that were affixed to packages of meat and meat products that had received the regular postmortem inspection:

*Meat-inspection stamps.*

Kind of meat.	Packages stamped (white stamps).
Beef . . . . .	7,487,762
Mutton . . . . .	42,596
Veal . . . . .	165
Pork . . . . .	15,524,234
Total . . . . .	23,054,757

The number of cars sealed, containing inspected meat and meat products for shipment to official abattoirs and other places, was 80,551.

INSPECTION OF EXPORT MEATS.

There were 37,151 certificates of ordinary inspection issued to cover meat and meat products for export, as follows: 1,530,474 quarters, 14,544 pieces, 3 carcasses, and 1,479,833 packages of beef, weighing 419,058,781 pounds; 2,131 carcasses, and 19,975 packages of mutton, weighing 712,089 pounds; 42,765 carcasses and 515,304 packages of pork, weighing 154,442,440 pounds; a grand total of 574,213,314 pounds.

Compared with the figures for 1903 this shows an increase in beef exports of 47,138,044 pounds, a decrease in mutton exports of 2,016,924 pounds, and an increase in pork exports of 21,319,830 pounds, being a net increase of 66,440,950 pounds.

The comparatively large decrease in the exports of mutton is explained by the fact that during a few previous years, on account of severe drought in Australia and New Zealand, the shipments of mutton from those countries to Europe were greatly reduced, so that there was an unusual demand for mutton from this country. The conditions last year having become normal, the trade in this class of product has decreased to its normal proportions.

Following is a comparative statement of beef, mutton, and pork exported under certificates of ordinary inspection during the past seven years:

*Comparative statement showing quantities of meat for export under certificates of ordinary inspection, 1898 to 1904.*

Fiscal year.	Beef.	Mutton.	Pork.
	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
1898. . . . .	339,650,091	324,996	244,956,482
1899. . . . .	360,843,856	525,705	278,696,435
1900. . . . .	438,138,233	680,897	272,050,663
1901. . . . .	452,830,373	894,648	231,144,938
1902. . . . .	416,990,762	1,145,248	188,360,011
1903. . . . .	371,920,737	2,729,013	133,122,610
1904. . . . .	419,058,781	712,089	154,442,440

The cost of the work of ordinary inspection (interstate trade as well as exports) for the year was \$781,590.95.

#### MICROSCOPIC INSPECTION OF PORK.

The total number of carcasses examined for trichinæ was 315,045, classified as follows: Class A (free from all appearances of trichinæ), 307,621, being 97.64 per cent; Class B (containing trichinæ-like bodies or disintegrating trichinæ), 4,773, being 1.52 per cent; Class C (containing live trichinæ), 2,651, being 0.84 per cent.

The number of certificates issued for microscopically inspected pork was 1,576; the number of packages stamped for export was 30,734, weighing 9,020,521 pounds, being a decrease from the previous year of 10,087,820 pounds. This very large decrease is due to the falling off of our trade with Germany, the latter being our chief customer among the countries requiring microscopic inspection. The new German fiscal regulations operated against our trade in the past year to the extent that our shipments fell, in approximate figures, from 15,000,000 pounds in 1903 to 5,000,000 pounds in 1904.

The number of trichinous carcasses disposed of was 2,643; these weighed 612,912 pounds; 38.5 per cent of this amount was tanked, and 61.5 per cent was made into cooked meat products.

Following is a comparative statement of the quantity of pork exported to countries requiring certificates of microscopic inspection, 1892 to 1904.

#### *Exports of pork inspected with microscope.*

Fiscal year.	Weight.	Fiscal year.	Weight.
<i>Pounds.</i>			
1892 .....	22,025,698	1899 .....	108,858,149
1893 .....	8,059,758	1900 .....	55,809,626
1894 .....	18,815,119	1901 .....	35,942,404
1895 .....	39,355,230	1902 .....	33,681,229
1896 .....	21,497,321	1903 .....	19,108,341
1897 .....	42,570,572	1904 .....	9,020,521
1898 .....	120,110,356		

The cost of microscopic inspection for the year was \$53,934.01 being an average of 17.1 cents for each carcass examined and 0.6 cent for each pound exported.

#### INSPECTION OF VESSELS AND EXPORT ANIMALS.

The number of clearances of vessels carrying live stock was 774. The number of certificates of inspection issued for American cattle exported to Europe was 1,419.

Following is a statement of the number of American and Canadian animals inspected for export, the number exported, etc. As compared with similar figures for 1903 this statement shows an increase of 43.7 per cent in the number of American cattle exported, and an increase of 116.5 per cent in the number of American sheep exported; while the number of American horses exported in 1904 is shown to be nearly one-third less than the number exported in 1903.

*Number of inspections, etc., of American and Canadian animals for export, fiscal year 1904.*

Kind of animal.	American.				Canadian.		
	Number of inspec-tions.	Number rejected.	Number tagged.	Number exported.	Number in-spected.	Number rejected.	Number exported.
Cattle .....	764,126	3,157	424,689	<sup>a</sup> 414,320	26,370	8	26,362
Sheep .....	474,754	460	.....	<sup>b</sup> 241,294	60,096	47	60,049
Horses.....	3,258	2	2,724	2,649	35	.....	35

*a* 47,653 via Canada.

*b* 12,699 via Canada.

All the animals included in the above statement were exported to Great Britain, except 18,439 cattle, 11,135 sheep, and 111 horses to Belgium; 399 cattle, 137 sheep, and 1 horse to South Africa; 198 horses to Germany, and 4 horses to Italy.

In addition to the exports mentioned above there were also exported to other countries 1,749 cattle, 2,385 sheep, 10 horses, 20 swine, and 1 jackass, making a total of 4,115, destined as follows: 1,520 cattle, 2,036 sheep, and 10 horses to Bermuda; 298 sheep to Barbados; 203 cattle and 1 sheep to Brazil; 22 cattle, 20 swine, and 1 jackass to Argentina; 4 cattle to Mexico.

The number of American and Canadian animals landed alive and inspected by representatives of this Bureau, at London, Liverpool, and Glasgow, is shown in the statement below. The apparent discrepancy between this statement and the preceding statement showing the number exported is accounted for by the number of animals exported to countries other than Great Britain, and to such British ports as Hull, Bristol, and Manchester, where the Bureau has no representative:

*Statement showing number of animals inspected at time of landing in London, Liverpool, and Glasgow, and loss in transit, fiscal year 1904.*

From—	Cattle.			Sheep.			Horses.		
	Landed.	Lost.	Per cent of loss.	Landed.	Lost.	Per cent of loss.	Landed.	Lost.	Per cent of loss.
United States.....	360,990	610	0.17	212,299	2,011	0.94	2,353	13	0.55
Canada .....	19,375	39	.20	57,767	1,555	2.62	35	.....	.....
Total .....	380,365	649	.17	270,066	3,566	1.30	2,388	13	.54

#### INSPECTION OF IMPORTED ANIMALS.

Animals were inspected for importation from Mexico, as shown below:

*Statement showing importation of Mexican animals, fiscal year 1904.*

Port of entry.	Cattle.	Sheep.	Swine.	Goats.	Horses.	Mules.	Asses.	Burros.	Dromedary.
Eagle Pass, Tex .....	.....	.....	.....	.....	6	.....	.....	.....	.....
El Paso, Tex.....	7,603	.....	.....	.....	5	15	.....	.....	.....
Nogales, Ariz.....	3,645	.....	15	13	140	65	7	.....	.....
San Diego, Cal.....	840	700	66	.....	154	15	2	3	.....
Laredo, Tex.....	.....	1	.....	.....	9	.....	1	.....	1
Total .....	12,088	701	81	13	314	95	10	3	1

Inspections were also made at El Paso of animals imported from Mexico, in bond, as follows: 1,201 sheep in transit to Mexico; 9,461 cattle, 103 horses, and 7 mules in transit to Canada.

#### QUARANTINE AT PORTS OF ENTRY.

Heretofore there have been frequent arrivals at seaboard ports of animals of the ruminant class, and occasionally of swine, destined for menageries and parks, for which no permit had been obtained previous to shipment, although such a permit is required by paragraph 9 of Order No. 109 of this Bureau, being regulations concerning the inspection and quarantine of horses, neat cattle, sheep, and other ruminants, and swine imported into the United States. Recent instructions have been given to United States consuls, however, by the Secretary of State, which have removed all misunderstanding as to the meaning of the term "ruminants." All hay-eating animals are not ruminants, but such only as regurgitate a portion of their food for remastication, or, as it is commonly stated, "chew the cud." Asses, mules, zebras, and zebrules are admitted under the provisions of the regulations governing the importation of horses, and ruminants other than cattle and sheep, as provided for sheep.

#### IMPORTS OF PUREBRED DOMESTIC ANIMALS, ETC.

The importation of purebred cattle, sheep, and hogs during the year has been extremely light. There have been received at New York, the chief port of entry for animals for breeding purposes, in the classes named, and quarantined at the animal quarantine station for that port, located at Athenia, N. J., 266 cattle, 128 sheep, and 123 hogs. At the other ports on the Atlantic seaboard designated as ports of entry for import animals requiring inspection and quarantine, animals were entered as follows: At Boston, and quarantined at the animal quarantine station at Littleton, Mass., 17 cattle, 15 sheep, and 3 hogs; at Baltimore, and quarantined at the quarantine station at Halethorp, Md., 48 cattle, 2 sheep. While the importations of cattle and sheep, as well as hogs, have been light, there has been an unusual number of entries of other ruminants, such as are imported by owners of menageries and zoological collections, all of which are subject to inspection and quarantine.

#### IMPORTATIONS NOT SUBJECT TO QUARANTINE.

There have been imported through ports on the seacoast animals not subject to quarantine as follows:

*Numbers of animals imported not subject to quarantine.*

Country from which imported.	Horses.	Ponies.	Mules.	Asses.
Great Britain .....	1,523	.3	1	2
Germany .....	204	.....	.....	6
Belgium .....	651	.....	.....	10
Italy .....	6	.....	.....	16
Egypt .....	.....	.....	.....	15
Mexico .....	3	8	1	.....
Porto Rico .....	4	1	.....	.....
Costa Rica .....	2	.....	.....	.....
Argentina .....	1	.....	.....	.....
Bermuda .....	10	1	.....	1
Cuba .....	5	.....	.....	.....
Canada .....	16	.....	.....	.....
Iceland .....	.....	2	.....	.....
Total.....	2,425	15	2	50

## QUARANTINE AGAINST HOLLAND WITHDRAWN.

It having been shown that Netherlands was free from contagious foot-and-mouth disease and other contagious and infectious diseases of animals, for the existence of which this Department prohibited their importation, the embargo was withdrawn from Holland cattle by the order of the Secretary under date of February 24, 1904, in Amendment No. 2 to Order No. 109, of the Bureau of Animal Industry.

## FOOT-ROT OF SHEEP.

Considerable difficulty was experienced in securing suitable material for the continuation of investigations as to the cause of foot-rot of sheep; but an outbreak among a flock in West Virginia and the arrival at the Buffalo stock yards of a flock from the West, 75 per cent of which were lame, furnished the desired subjects. From these sheep the constant presence of the *Bacillus necrophorus* in all of the affected feet was fully established.

This microorganism has been previously recognized as the causative agent in the development of ulcerous, necrotic lesions in several diseases of domestic animals, and tests made with it upon the feet of healthy sheep have shown that it is capable, when applied in pure culture, of producing lesions which closely resemble those found in cases of foot-rot resulting from natural infection. The tests have also shown that its use, in association with the other microorganisms present in affected feet, will produce the disease in its typical form; while the use of these same associate bacteria without the presence of the *Bacillus necrophorus* will produce no lesion upon the healthy foot. Basing deductions upon the above facts, it seems reasonable to conclude that the *B. necrophorus* must be present before a true case of foot-rot can develop in sheep. A bulletin, emanating from the Pathological Division, treating of the nature, cause, and treatment of this disease, is now in the hands of the printer.

## PRESENCE OF GID OF SHEEP IN THE UNITED STATES.

During a recent trip to Montana by the acting zoologist of this Bureau, specimens of a bladderworm were obtained from the brain of a sheep which seem to be identical with the gid bladderworm, *Cenurus cerebralis*, of Europe, and it produced similar symptoms. This bladderworm, the adult stage of which (*Tænia cænurus*) lives in the intestines of dogs, is very common in the Old World, and is one of the most dangerous and destructive parasites with which sheep may be infested. A few years ago it was said that 1,000,000 sheep die from it annually in France, and the losses in Germany have been put at 15 per 1,000 in the first year of life, 5 in the second year, 2 in the third year, and 1 in the fourth. In England, although the parasite seems to be less common than formerly, the mortality at times in some flocks is as high as 35 per cent. The only practicable treatment lies in prevention, which consists principally in keeping the dogs free from tape-worms by frequent dosing with vermifuges and by preventing them from eating the uncooked brain or spinal cord of infected sheep. Until the present time no well-established cases have been reported from the United States, which is rather remarkable in the face of numer-

ous importations from Europe both of sheep and dogs, some of which must certainly have been infected. Although the conditions existing in this country are perhaps unfavorable to the parasite, so that it has been unable to gain a foothold, and although so far it may have caused little damage, its presence here is, nevertheless, a constant menace; and there is danger that, if unchecked, it will in the future become as serious a pest in the United States as it is in Europe. It is therefore important that a careful investigation of this parasite be made in this country, and that thorough measures be taken to prevent its dissemination.

#### TUBERCULOSIS.

The work on tuberculosis is being conducted in two divisions of the Bureau. In the Pathological Division the comparative study of tubercle bacilli which were obtained from a number of varied sources has been in constant progress during the entire year, having been continued under the same conditions as those inaugurated at the commencement of this investigation.

Additional cultures have been obtained from a tuberculous parrot and from a raccoon, the disease in each case being the result of natural infection. In addition to these, tuberculous specimens have been received which were taken from a snake, a monkey, a Philippine deer, and from a number of hogs and cattle. While bacilli from none of these latter have been grown artificially, the specimens have been used to demonstrate the form of bacillus present in each case, its manner of grouping, and the character of lesion produced by it in its natural host. Experiments have been made with two cultures of slight virulence for the purpose of determining the conditions under which an added degree of virulence may be given them. These investigations are about concluded and the results are now in course of preparation for publication.

In the Biochemic Division the experiments concerning the intercommunicability of human and bovine tuberculosis have been completed, and Part I of Bulletin No. 52, entitled "The Virulence of Human and Bovine Tubercle Bacilli for Guinea Pigs and Rabbits," has been published. Parts II and III of this bulletin are now in manuscript form and are about ready for the printer. Considerable delay in the publication of the last two parts of this bulletin has been caused by the death of Dr. E. A. de Schweinitz, the former chief of this division.

The results of our experiments concerning the infectiousness of human tuberculosis for cattle, and also those experiments concerning the comparative virulence of human and bovine tubercle bacilli for other animals, may be briefly summarized as follows: Nine fresh cultures of tuberculosis from as many different cases of that disease in human beings were isolated; four of these cultures were isolated from children affected with generalized tuberculosis. None of the cultures isolated from adults exhibited a degree of pathogenic power for cattle which was in any way comparable to that usually manifested by the bovine tubercle bacillus. Of the four cultures isolated from children, however, two produced a generalized tuberculosis in calves after subcutaneous inoculation, and the lesions produced were quite as severe as those produced by a fresh culture of the bovine tubercle bacillus which was isolated from a case of natural tuberculosis in a cow. A third one of the cultures from children, while distinctly less virulent than the

two just mentioned, was able to bring about a localized infection, which spread from the point of inoculation to several of the neighboring lymph glands. This third culture should be considered pathogenic for cattle, though in a distinctly less degree than the ordinary bovine bacillus.

The inoculation experiments with hogs and rabbits gave results quite similar to those obtained with cattle, two of the human cultures (from children) being indistinguishable from the bovine bacillus in respect of their action upon these animals. The inoculation of guinea pigs brought out no distinctions that were worthy of note between the various cultures.

These experiments, it is believed, go to show conclusively that it is an error to conclude that cattle can not be infected with human tuberculosis; and they also indicate that the children from which the two most virulent cultures were obtained were either infected from bovine sources or that certain forms of human tubercle bacilli are indistinguishable from bovine bacilli, both with regard to their virulence and cultural characteristics; furthermore, they agree in general with those of the great majority of investigators who have studied this subject during the past two years. These experiments not only justify but show the desirability of a rigid enforcement of public regulations looking to the control and the eradication of tuberculosis in cattle.

At the experiment station of the Bureau certain features of investigations in tuberculosis are carried on. Cow No. 218, to which reference was made in my last report, is still there. This cow received an injection of human tubercle culture into one quarter of the udder over two years ago. The injection was made so as to prevent any injury to the tissues other than such as would result from the presence of the infected germs. The material secreted by the injected quarter of the udder continues to show the presence of the tubercle germs, and is infectious for guinea pigs on subcutaneous injection. The cow has lately dropped a calf, and it will be interesting to observe whether the latter contracts the disease.

#### THE DISTRIBUTION OF TUBERCULIN.

During the past year there were prepared in the biochemical laboratory and sent to the various States and Territories and foreign countries enumerated below about 74,000 doses of tuberculin. It may be noted that there was an increase for the year of more than 50 per cent in the amount of tuberculin sent out over that for the fiscal year ended June 30, 1903, when the total amount distributed was 47,358 doses:

*Doses of tuberculin distributed, fiscal year 1903-4.*

	Doses.		Doses.
California.....	152	Maine .....	123
Colorado.....	250	Maryland.....	344
Connecticut.....	54	Massachusetts.....	17,016
District of Columbia.....	239	Michigan.....	415
England <sup>a</sup> .....	600	Minnesota.....	19,294
Illinois.....	20	Missouri.....	112
Indiana.....	24	Montana.....	11,000
Iowa.....	450	Nebraska.....	201
Kansas.....	306	New Jersey.....	1,960

<sup>a</sup> For testing cattle offered for importation into the United States.

*Doses of tuberculin distributed, fiscal year 1903-4—Continued.*

	Doses.		Doses.
New Mexico .....	174	Utah .....	92
New York .....	993	Vermont .....	12, 256
North Carolina .....	258	Virginia .....	12
North Dakota .....	135	Washington .....	3, 926
Ohio .....	204	Wisconsin .....	3, 010
Oklahoma .....	102		
Oregon .....	130	Total .....	73, 912
Porto Rico .....	60		

## THE TUBERCULIN TEST IN ENGLAND.

The work of the official veterinarian stationed at London, England is in accordance with Order No. 79 of this Bureau, dated November 10, 1900, which provides for the testing with tuberculin by the inspector of this Bureau of all cattle over six months old which are to be imported into the United States for breeding purposes. During the year this work has diminished because of fewer importations of pure-bred animals. The inspector has tested of the different breeds in various parts of Great Britain and Holland as follows:

*Results of tuberculin test in England and Holland of cattle for importation*

Breed.	Passed.	Rejected.	Breed.	Passed.	Rejected.
Shorthorn .....	11	3	Galloway .....	78	0
Aberdeen Angus .....	7	2	Holstein <sup>a</sup> .....	90	29
Ayrshire .....	4	3			
Guernsey .....	11	0	Total .....	202	37
Hereford .....	1	0			

<sup>a</sup> Tested in Holland.

## BLACKLEG INVESTIGATIONS.

The routine work in the Pathological Division of preparing and distributing blackleg vaccine has been continued as heretofore. The number of doses sent out has fallen off somewhat, but the number of persons supplied is slightly greater than for the previous year. It is interesting to note from the second statement below that during the fiscal year 1903 over 1,000,000 doses of vaccine have been used and reported upon by over 10,000 persons with highly satisfactory results. The number of mistakes made may be accounted for by the number of persons making use of vaccine for the first time and their consequent unfamiliarity with its application. The appended tables give the quantity of blackleg vaccine distributed during the past year and the immunizing effects of the vaccine sent out during the previous year.

*Doses of vaccine distributed during the fiscal year ended June 30, 1904.*

July 1 to December 31, 1903:

July .....	49, 735
August .....	54, 365
September .....	153, 570
October .....	217, 995
November .....	188, 865
December .....	115, 130

January 1 to June 30, 1904:

	Doses.
January	84,290
February	71,630
March	147,600
April	138,055
May	71,175
June	44,440
Total	1,336,580

*Results obtained from vaccine distributed during the fiscal year ended June 30, 1903.*

State or Territory.	Number of reports.	Number of cattle vaccinated.	Deaths same season previous to vaccination.		Died after vaccination.					
			Number.	Per cent.	Within 48 hours.	From 2 to 7 days after.	Within 1 year.	Number of cases due to mistakes.	Total number.	Percentage of deaths.
Arizona	5	624	25	4.01	-----	1	4	1	6	0.96
Arkansas	14	917	46	5.01	-----	3	-----	3	3	.32
California	518	76,991	1,251	1.62	12	43	304	-----	359	.46
Colorado	664	95,427	1,094	1.14	20	53	299	1	373	.39
Idaho	52	4,907	93	1.89	-----	3	15	18	18	.36
Illinois	29	1,028	61	5.98	1	1	3	2	7	.68
Indiana	4	79	8	1.12	-----	-----	-----	-----	-----	-----
Indian Territory	94	11,064	406	3.66	5	11	35	-----	51	.46
Iowa	170	9,855	277	2.81	-----	4	43	7	54	.54
Kansas	1,358	114,249	2,679	2.34	17	60	257	105	439	.38
Kentucky	40	1,889	130	6.88	-----	7	1	8	8	.42
Michigan	6	166	12	7.22	-----	-----	-----	1	1	.60
Minnesota	67	3,603	148	4.10	-----	-----	11	2	13	.36
Missouri	813	34,873	982	2.81	-----	28	127	38	193	.55
Montana	412	48,207	794	1.64	3	20	84	25	132	.27
Nebraska	2,132	167,173	3,390	2.02	4	59	643	221	927	.55
Nevada	2	259	10	3.86	-----	-----	-----	-----	-----	-----
New Hampshire	3	42	3	7.14	-----	-----	-----	-----	-----	-----
New Mexico	43	8,764	68	.77	-----	6	20	6	32	.36
New York	16	653	6	.91	-----	-----	4	-----	4	.61
North Carolina	20	740	45	6.08	-----	1	1	-----	2	.27
North Dakota	614	62,606	1,626	2.59	3	31	246	36	316	.50
Oklahoma	224	19,443	387	1.99	-----	21	76	6	103	.52
Oregon	143	19,288	368	1.90	-----	12	25	14	51	.26
South Dakota	613	53,285	1,299	2.43	8	41	269	50	368	.69
Tennessee	74	2,464	99	4.01	1	3	18	-----	22	.89
Texas	1,115	205,020	3,328	1.62	20	178	1,207	126	1,581	.74
Utah	25	5,364	29	.54	-----	5	4	15	24	.44
Vermont	4	.75	2	2.66	-----	-----	-----	-----	-----	-----
Virginia	361	12,224	442	3.61	1	12	48	1	62	.50
Washington	24	965	2	.20	-----	-----	-----	-----	-----	-----
West Virginia	119	2,928	99	3.38	11	2	9	1	23	.78
Wisconsin	2	223	6	2.69	-----	-----	-----	-----	-----	-----
Wyoming	308	53,361	485	.90	1	22	149	11	183	.34
Other States	8	1,073	25	2.30	-----	-----	7	-----	7	.65
Total	10,096	1,019,829	19,795	1.93	107	617	3,918	670	5,312	.52

From the above table it will be seen that 670 cattle died as result of mistakes admitted by the stock owners, while 107 animals died of blackleg within forty-eight hours after the injection, thereby indicating that these latter animals were affected with the disease prior to vaccination. In determining the value of blackleg vaccine it seems proper to deduct these numbers from the total number of deaths following vaccination. After eliminating these deaths, which could not be attributed to any fault of the vaccine, the number of cases that died after vaccination is reduced to 4,535, or 0.44 per cent.

#### TEXAS FEVER.

An interesting condition relative to the persistence of the Texas fever organism in the blood of southern cattle after their removal from the so-called permanently infected territory was observed a second time this year at the experiment station. In the year 1901 a cow in-

jected with blood from an old southern cow, No. 113, became affected with Texas fever. In the year 1902 two cows injected with blood from the same southern cow failed to become affected, while two other cows injected with blood from another southern cow, No. 1, suffered attacks of Texas fever. At that time cow No. 113 had been removed from the permanently infected Texas fever territory thirteen years, and cow No. 1 seven years. In the year 1903 there was no test of the blood of southern cattle. This year (1904) two cows were injected with blood from southern cow No. 214, and four cows with blood from cow No. 113. The cows injected from No. 214 suffered with severe Texas fever, as a result of which one of them died. The four cows injected from No. 113 remained well. Two of the latter were subsequently injected with blood from No. 214, and one remained well, and the other became affected with Texas fever, thus showing conclusively that the absence of disease following the injection with blood from cow No. 113 was not due to immunity on the part of the animals injected. Cow No. 214, which unfortunately died this summer as the result of tuberculosis, was removed from the Texas fever territory in the year 1892; that is, thirteen years before the last injections were made. The infection in the blood of cow No. 113 persisted during twelve years, and was entirely absent in the thirteenth and fifteenth years after removal from all known sources of infection or reinfection. Cow No. 113 is now affected with generalized tuberculosis and will probably die in the course of the next few months.

In the biochemical laboratory during the past year a large number of analyses of oils and various dips recommended for the destruction of the tick known as *Boophilus annulatus* have been made, and, in addition, experiments have been instituted to determine the effect of these various dips upon these ticks and the relation of the composition of the various oils to their effect upon the ticks. This work, however, has not yet been completed.

The operations of the Bureau, as related to the control of Texas fever during the quarantine season of 1903, included the inspection and proper yarding at packing centers of 46,505 carloads of cattle from below the quarantine line, the number of animals being 1,350,623; also, supervision of the cleaning and disinfection of 45,589 cars.

There were also inspected in the noninfected area of Texas 179,116 head of cattle, which were permitted to be moved north for purposes other than immediate slaughter.

#### NECROTIC STOMATITIS OF CALVES AND PIGS.

The investigations on the bacteriology and pathology of so-called calf diphtheria announced in the last report have been brought to a successful termination. There will soon be issued a bulletin upon the subject, in which, as a result of careful and exhaustive study of the lesions, the name "necrotic stomatitis of calves" will be adopted in preference to the misleading term "calf diphtheria."

In the course of these researches a few cases of "sore mouth" in pigs were studied with the result that the peculiarly beaded filament of *Bacillus necrophorus* was isolated, and a demonstration obtained of its pathogenic relation to what we have called "necrotic stomatitis of pigs." The great difficulty in isolating the organism from diseased tissues and the peculiarity of its pleomorphism and anaerobic growth

have conspired to make the work slow and at times tedious. The bulletin will not only describe the character, cause, and treatment of necrotic stomatitis, but will also prove the entire absence of any connection whatever between the diphtheria in human beings and so-called calf diphtheria.

#### HOG CHOLERA AND SWINE PLAGUE.

The experiments concerning hog cholera and swine plague have been continued by the investigations in the Biochemic Division and at the experiment station. As noted in Circular No. 41, issued October 1, 1903, certain new and apparently important facts concerning the etiology of hog cholera have been discovered. Under these circumstances it has been thought advisable to investigate thoroughly the etiology of hog cholera, in order that we may proceed more intelligently in our efforts to discover a cure or preventive for this disease. Therefore, during the past six or eight months our chief efforts have been directed to a study of the causes and methods of producing hog cholera; the great importance of securing a vaccine for this disease, however, is being kept constantly in mind. Certain methods of producing immunity, the value of which has not yet been definitely determined, are indicated in Circular No. 43 of this Bureau, which was published in February, 1904. The experiments concerning the etiology of hog cholera have been beset with many difficulties and adverse circumstances, but progress is being made, and it is confidently hoped that during the fall of the present year we may be able to publish the results of our investigations.

#### GLANDERS.

In December, 1903, an official of the Pathological Division was sent to West Point, N. Y., to confirm, if correct, the diagnosis of a supposed outbreak of glanders among the army horses at the United States Military Academy. Clinical examination of the suspected cases and necropsies on five of these animals showed the presence of glanders, which diagnosis was further confirmed by laboratory inoculations. A full report was made to Col. Albert Mills, Superintendent of the Academy, embodying recommendations for the testing of the horses with mallein, the disinfection of the stables, the isolation of the affected animals, and such other measures as are essential for the suppression and eradication of the disease.

During the year there have been prepared in the biochemical laboratory and distributed to various States and Territories 7,197 doses of mallein, which amount is approximately the same as reported for the previous year. The details of the distribution are as follows:

*Distribution of mallein to States and Territories.*

	Doses.		Doses.
Arizona.....	12	Montana.....	204
California.....	504	Nebraska.....	24
Colorado.....	54	North Dakota.....	608
District of Columbia.....	2,174	Ohio.....	462
Illinois.....	672	Oklahoma.....	136
Iowa.....	60	Philippine Islands.....	54
Kansas.....	30	South Carolina.....	60
Maryland.....	2	Vermont.....	60
Michigan.....	48	Washington.....	36
Minnesota.....	1,738	Total.....	7,197
Missouri.....	259		

## RABIES.

Investigations regarding the presence of rabies in the vicinity of Washington, D. C., have been continued during the year. Of the 38 suspected cases examined, positive results have been obtained with 19 dogs, 2 cows, and 1 hog, of which number 13 were from the District of Columbia, 1 from Maryland, 7 from Virginia, and 1 from South Carolina. The results of the inoculation of oblongata emulsion and histological examination of the plexiform ganglia, together with the number of persons and animals bitten, and the species and origin of the animal affected, are given in the following table:

*Results of inoculation tests and microscopic examination for rabies.*

Date.	Record No.	Kind of animal.	Received from—	Result of inoculations.	Diagnosis by histological examination.	Persons or animals bitten.
1903.						.
July 3	306	Dog . . .	District of Columbia . . .	Positive . . .	Positive . . .	1 dog.
July 27	308	do . . .	do . . .	do . . .	None made . . .	
Aug. 18	311	Hog . . .	Norfolk, Va . . .	do . . .	do . . .	
Aug. 24	313	Dog . . .	District of Columbia . . .	do . . .	do . . .	
Sept. 21	315	do . . .	do . . .	do . . .	Not typical . . .	
Oct. 5	317	Cow . . .	Frederick, Md . . .	do . . .	None made . . .	
Oct. 29	319	Dog . . .	District of Columbia . . .	do . . .	Positive . . .	
Do..	320	do . . .	do . . .	None made . . .	do . . .	1 boy.
Dec. 9	322	do . . .	Norfolk, Va . . .	Positive . . .	do . . .	
Dec. 12	323	do . . .	District of Columbia . . .	do . . .	do . . .	1 girl.
Dec. 31	324	do . . .	Ridgeway, S. C. . .	do . . .	do . . .	Dogs, chickens, and several persons.
1904.						.
Jan. 27	325	Dog . . .	Leesburg, Va. . .	Positive . . .	None made . . .	
Feb. 6	326	Cow . . .	do . . .	do . . .	do . . .	
Mar. 16	327	Dog . . .	District of Columbia . . .	do . . .	do . . .	
Mar. 30	329	do . . .	Rosslyn, Va . . .	do . . .	Positive . . .	1 girl and several dogs.
Do..	330	do . . .	District of Columbia . . .	do . . .	None made . . .	
Apr. 2	331	do . . .	do . . .	do . . .	do . . .	
Apr. 24	332	do . . .	do . . .	do . . .	Positive . . .	
Apr. 26	334	do . . .	Norfolk, Va . . .	do . . .	do . . .	
May 4	336	do . . .	District of Columbia . . .	do . . .	None made . . .	2 persons.
May 29	339	do . . .	do . . .	do . . .	Not typical . . .	1 dog.
June 11	341	do . . .	Purcellville, Va. . .	do . . .	None made . . .	

## INFECTIOUS ENTERITIS OF PIGEONS.

Several reports have reached this Bureau during the past few months of a rapidly fatal disease among pigeons; and as the economic importance of it has been established, it is desired to institute a rigid investigation relative to the causative agent, the preventive and curative treatment, and the methods of dissemination.

Out of seven reported outbreaks 19 birds have been examined in the Pathological Division, which represent a total number of about 300 deaths, amounting to 25 per cent loss of those affected. An actively motile bacillus, belonging to the enteritidis group, has been isolated from the brain, heart, liver, spleen, and kidney of the dead birds; and when this organism has been tested on experimental animals, either by inoculation, feeding, or cohabitation, a similar disease is produced, from which the specific bacillus may be recovered. Thus far the organism has proved pathogenic for pigeons, rabbits, guinea pigs, and mice, and the resulting disease of these animals is characterized by marked intestinal inflammation, with fatty degeneration of the liver and punctiform areas of necrosis in the liver and spleen. Further experiments are now being conducted.

## EXPERIMENTS IN POULTRY FEEDING.

During the past fiscal year the results of the preliminary experiments conducted by the Biochemic Division to determine the digestion coefficients of some of the more common grains for chickens have been published as Bulletin No. 56 of this Bureau. These experiments involved a great deal of labor, inasmuch as they constitute almost pioneer work in this line with chickens. The following provisional conclusions may be drawn from the work already completed:

- (1) The crude protein and nitrogen-free extract are assimilated in much greater proportion with corn than with oats.
- (2) The availability of the crude fat of corn is slightly greater than that of oats.
- (3) The digestibility of the crude fat of wheat is conspicuously less than that of corn and oats.
- (4) Chickens consume a much greater quantity of corn than oats.
- (5) The nutritive superiority of corn over oats is indicated by an increase in body weight when corn is fed, while there is a tendency to the opposite direction when oats is the sole article of diet.
- (6) The nutrients of corn are fed at a lower cost than those of oats and wheat. This conclusion is based upon the actual availability of the various nutrients of the grains.

The poultry experiments are being carried further and involve the feeding of mixed diets of corn, oats, and wheat. From these experiments it is hoped that some data may be obtained which will be of practical use to poultry raisers.

## INVESTIGATIONS OF THE PARASITES OF LIVE STOCK IN MONTANA.

An investigation of the parasites of live stock in the State of Montana was undertaken by the Zoological Division in May of the present year with the primary object of discovering a possible relation between the so-called loco disease of cattle, sheep, and horses and the presence of animal parasites. This investigation was confined entirely to Park County, where the disease has been prevalent for many years, entailing constant and serious loss among live stock, especially sheep. Many cases of the disease were seen among sheep, as high as 10 per cent of some flocks being affected. In the fall the percentage is higher and the symptoms more pronounced. Numerous autopsies were performed on diseased and on healthy sheep. One herd of cattle was seen in which two years ago 20 per cent were said to have been lost from the effects of loco. At the time they were seen, however, the animals were in good condition; only a few showed symptoms of the disease, and in so slight a form that it did not seem warrantable to sacrifice any for post-mortem examination. Two "locoed" horses were seen, and one was killed and an autopsy performed. For the purpose of experiments on the life history of their parasites and for further study of the loco disease, a number of parasitized and "locoed" sheep were procured for shipment to the zoological laboratory at Washington.

Numerous parasites were collected from diseased and healthy sheep and from the locoed horse, some of them being species not yet described. A hasty biological examination was made of a number of small mountain ponds frequented by stock. Incidentally parasites were collected from prairie dogs, birds, fish, etc. A mite of an

unknown species was collected from a prairie dog badly affected with mange. The notes and material gathered during the trip have not been worked up and therefore no definite results can be reported at this time.

#### MISCELLANEOUS WORK IN RELATION TO DISEASES OF ANIMALS.

Much attention has also been given in the Pathological Division to various minor subjects, among which are the following: The study of an outbreak of forage poisoning among the horses at Charlotte, N. C., and at Arlington, Va., in which no macroscopic or microscopic lesions of leucoencephalitis could be found; the experimental study of the *Aspergillus fumigatus*, and the preparation of an article, entitled "Aspergillosis of birds," based on this investigation; the publication of a paper on milk fever, with a description of an instrument for the application of the new air treatment; the preparation of an article regarding the pathological findings and inoculation experiments in a case of rabies in a woman; the monthly renewal of 89 stock cultures of different microorganisms which are maintained for exchange and comparison with those of other investigators; and the preparation and installation of a pathological and bacteriological exhibit at the New England Exhibition of Arts and Crafts, Providence, R. I., and at the Johns Hopkins University, Baltimore, Md., on the occasion of the Maryland Tuberculosis Exhibition, and at the Louisiana Purchase Exposition, St. Louis, Mo.

In the Biochemic Division analyses were made of a large number of substances said to contain nicotine and which were submitted to the Bureau for its approval for use in the preparation of the nicotine dip for sheep scab. A large number of kretol dips were also examined chemically. A thorough chemical examination was made of a lot of ensilage supposed to be the cause of the death of a large number of horses and mules on the Department farm at Arlington, without, however, the discovery of any substances which could be held responsible for the disease in the animals.

Numerous identifications have been made in the Zoological Division of parasites sent to the Bureau by veterinarians, physicians, farmers, etc. The collection has been increased by exchange and collection. An exhibit of parasites was prepared for the Louisiana Purchase Exposition. A bulletin (No. 60) concerning the nematode parasites of the eyes of chickens and other birds has been prepared and is now in press. This bulletin contains also an article on two important tapeworms of chickens. Mr. Stevenson, of the zoological laboratory, has prepared a circular on a hitherto undescribed parasitic nematode which was the cause of the loss of nearly the entire flock of fancy pigeons in which it was discovered.

The work of publication of the "Index-Catalogue of Medical and Veterinary Zoology" has continued, and during the year the "D," "E," and "F" authors have been issued, while the "G" and "H" authors are now in press.

#### AUTOPSIES ON WILD ANIMALS.

Postmortem work for the National Zoological Park continues to play an important rôle in the routine work of the pathological laboratory.

Reports were made on 55 such postmortem examinations. A bacteriological examination of the tissues of many of these animals was made in order to determine definitely the presence of infectious diseases. These investigations, while only fruitful in the demonstration of a few such diseases, were nevertheless carried out consistently in those cases which seemed to justify it.

#### THE EFFECT OF PRESERVATIVES UPON DIGESTIVE ENZYMES.

The experiments instituted to determine the effect of various preservatives upon the digestive enzymes and upon the digestibility of milk have been completed. These experiments were conducted in the Biochemic Division, and the results are given in detail in the annual report of this Bureau for 1903.

#### WORK IN THE INTEREST OF THE DAIRY.

##### INSPECTION OF RENOVATED BUTTER.

During the year a large part of the work of the Dairy Division has been the administrative service assigned to it in connection with the act of Congress, approved May 9, 1902, concerning the manufacture, interstate commerce, and export of renovated butter. This has been the second fiscal year of the operation of this law, and the inspection service has become fully organized and well regulated. The ten dairy inspectors have been appointed upon certification from the Civil Service Commission, based upon special examinations, and the corps has proved efficient and satisfactory.

The law mentioned is now operating without friction, but experience for two years in its administration has developed certain features of weakness and indicated amendments which are needed for its greater efficiency. This subject will be presented as a special report at an early date.

The Treasury Department has reported 73 different factories having been licensed and bonded during the year for the manufacture of renovated butter, as against 82 for the year before. These were located in 14 States and the District of Columbia. Thirty-four of the factories have been in operation throughout the year; 9 commenced operations in July, 1903, but ceased manufacturing before the close of the year, and 18 began operating subsequent to July and continued until the end of June, 1904. One factory which was licensed did not operate.

During the year the dairy inspectors, assisted by the chief of the Dairy Division, have repeatedly inspected the renovated butter factories in operation and have inspected the markets in 274 cities and towns in 44 different States and Territories. The market inspections have been for the purpose of ascertaining the extent to which renovated butter is commercially distributed and the conditions under which it is sold at wholesale and retail. Advice has been given to many distributors and dealers as to maintaining the commercial identity of the article, questionable practices have been corrected, and inspectors have cooperated with United States Treasury officials in enforcing the observance of the revenue features of the law.

The total quantity of renovated butter made at bonded factories during the fiscal year 1903-4 has been first reported (August, 1904) as 54,006,595 pounds. This is subject to revision when final reports are compiled. This shows a total rather less than the year previous, due

to discontinuance of several small factories and a decrease of business by several others. But the larger factories nearly all report an output greater than the year preceding. The average production for the two years during which the law has been in force has been from 8 to 10 per cent greater than the estimated product of the 55 factories in operation during the year 1901-2.

Officers of the Department inspected 144 different lots of renovated butter for export, comprising 1,312,000 pounds, and certified the same to foreign countries during the first year of the operation of the law. During the second year, 367 lots have been inspected and certified for export, amounting to 3,118,018 pounds. Exports of this commodity have thus considerably more than doubled in quantity the past year.

#### INCREASE AND IMPROVEMENT OF RENOVATED BUTTER.

These facts show conclusively that the business of manufacturing renovated butter, as well as the exportation thereof, has prospered and materially increased since the act of May 9, 1902, took effect.

The average quality of renovated butter is still improving. The difference in general character between the product of the past year and the same commodity a few years ago is very marked. This is due in part to improved machinery and processes, and largely to the better average quality and condition of the "packing stock" or raw material used. Stock is now kept comparatively closely collected in the producing districts, so that accumulations of country butter at remote points and involving serious deterioration are of exceptional occurrence. More care is taken in sorting, packing, and storing the stock. Occasionally a lot of packing stock is found in such a condition of filth or putrefaction as to necessitate condemnation. In still rarer cases the manufactured product is found so bad, because of bad materials, ignorance, or negligence in renovating, or as the effect of age, as to make it unfit for food. In a few such instances the sanitary inspection required by law and made by this Department has caused the objectionable materials and products to be removed from the food market and sold as grease. But, as stated, such instances are very exceptional. Although there is still opportunity for great improvement in materials, in the manner of handling and transporting the same, in factory management, and in the finished product, it is true that manufacturers are endeavoring, as a rule, to improve conditions at all points and are ambitious to win a reputation for producing an article of high quality.

#### BUTTER FOR THE NAVY AND THE ARMY.

The Dairy Division has continued to assist in procuring butter for the use of the United States Navy by perfecting specifications for manufacture under contract and supervising the execution of contracts. Under this system, which includes inspection by officers of this division, over 700,000 pounds of butter have been purchased during the year by the Navy Department, and the latter has acknowledged the service rendered and its satisfactory results. A much less quantity has been inspected for the Army, upon the application of purchasing officers of the Subsistence Department.

#### BACTERIOLOGY OF BUTTER AND CHEESE.

The experiments concerning the bacteriology of butter and cheese, which were mentioned in the last annual report of this Bureau, and

which are being carried out by the Biochemic Division and the Dairy Division, have been continued. The first report of this work is embodied in Bulletin No. 57, of the Bureau of Animal Industry, and deals with the keeping qualities of canned butter. The results described therein seem to indicate that the changes which occur in canned butter and which consist in the development of disagreeable flavors are probably due to the action of enzymes, which enzymes may be produced by the action of bacteria or secreted in the udders of cows. A second paper, Bulletin No. 62, entitled "The Relation of Bacteria to Flavors in Cheddar Cheese," has also been published. These experiments are being carried further to determine the source of the enzymes producing disagreeable flavors in butter, and also to determine, if possible, the best method of avoiding their presence in butter which is made under practical conditions.

#### LINES OF RESEARCH.

Several lines of original investigation have been inaugurated or continued during the year, as follows:

(1) An exhaustive inquiry into the possibilities and limitations of the dairy industry in the semiarid or "short-grass" region, embracing parts of Kansas, Nebraska, Wyoming, Colorado, and Oklahoma. This included a special study of the farm cream separator in its relation to the creamery system of butter-making under Western conditions.

Two reports by E. H. Webster, inspector and dairy expert in charge of this inquiry, have been published as bulletins in the Bureau series.

(2) A series of careful trials have been conducted at Chicago to determine the effect of different fixed temperatures upon the quality of butter in cold storage. This work has covered the greater part of the year, and the first or preliminary report is in preparation.

(3) Similarly, a series of trials in storing cheese at different temperatures has been conducted at New York. This report is also in preparation.

(4) In cooperation with the Storrs Agricultural Experiment Station at Storrs, Conn., an investigation has been commenced to determine specifically the principles involved in the manufacture of different varieties of soft cheese, such as are imported to this country from western Europe. It will be some time before any report can be made on this subject.

(5) In the dairy laboratory of the Bureau of Chemistry, and in the laboratory of dairy bacteriology of the Biochemic Division, Bureau of Animal Industry, investigations are being continuously carried on closely related to the dairy industry, if not bearing upon it directly. One report has been published upon the keeping qualities of butter, as noted above.

(6) Experimental exports of the best quality of creamery butter have been made weekly to Manchester, England, for several months, to make a practical test of the merits of such butter from the United States in comparison with the highest grades of butter from all other producing countries, as found in the British markets. The results were favorable in a general way, but not such as to encourage commercial operations along the same line. No report has yet been published.

#### REPRESENTATION AT DAIRYMEN'S MEETINGS.

During the year an effort has been made to have the Department represented at as many as possible of the State dairy conventions in the

several States. The chief and assistant chief of the Division and the dairy inspectors have attended these meetings. In all 28 such conventions have been visited in 22 different States and Territories. The work of the Bureau through the Dairy Division commends itself, as a rule, to these gatherings of representative dairymen in different parts of the country, and complimentary resolutions have been adopted by conventions in 18 States.

#### DAIRY WORK IN 1905.

The work of the Dairy Division during the fiscal year 1904-5 will embrace, in large measure, a continuation of that of previous years, with such additions as may promise useful results and are found practicable.

The condition of the dairy industry of the United States will be studied in all its aspects with a view to determining the most favorable opportunities and methods for progress and improvement and assisting in their accomplishment. The dairying of other countries will also be observed, productive conditions noted, the demands of consumption and of all foreign markets watched and such action taken as is possible in the interest of extending foreign trade in the dairy products of this country. Relations will be maintained with State dairy officials with a view to cooperation in the enforcement of laws; also with the voluntary organizations of dairymen and the dairy schools in numerous States in order to be informed of their proceedings and to cooperate so far as may be advisable.

The inspection of renovated-butter factories and markets will continue and be gradually extended and improved for the better administration of section 5 of the act of Congress of May 9, 1902.

The Dairy Division will conduct investigations by itself, as well as in cooperation with suitable agencies.

The experiments in storing butter at different low temperatures, which it was intended to continue and enlarge, have been abandoned because of the impossibility of finding available, in commercial storehouses, the necessary low temperatures with a guarantee of maintenance without material variation. The results of the cheese-storing experiments of the past year do not seem to warrant a repetition of this work. The soft-cheese investigation in Connecticut will be continued.

It is proposed to investigate the manufacture of condensed milk and promote such action as may be deemed expedient to preserve and enhance the reputation of this country for producing this article in a form suited to foreign markets. The comparatively new industry of making "milk powder" may also receive attention.

Many communications are received on the subject of improving the milk supply of cities and towns, and especially in securing greater purity and sanitary conditions. It is proposed to cooperate in these efforts and to give such advice and assistance as may be possible in this desirable work.

In considering the future of the Dairy Division it should be first remarked that after nine years' existence the work in hand in extending present lines of effort and taking up new ones is much greater than can be accomplished by the original organization. The dairy industry is one of the most important and most extensive branches of American agriculture. Four-fifths of all the farms in the country keep cows for milk, 17,000,000 in number, and another million are

reported "not on farms." The annual product of these 18,000,000 dairy cows has a value of about \$600,000,000. The opportunities for improvement are manifest at many points. If the average cost of maintaining a cow could be lessened by intelligent economy, or the average dairy product slightly increased in quantity by rational treatment, or the average quality of dairy products raised a little by improved methods of practice, the aggregate additional profit would be very great. For example, one-third of all the butter produced in the United States is made in creameries and two-thirds on farms. The former, by reason of higher average quality, has a value of at least 3 cents per pound greater than the latter. If one-half the butter now made on farms could be made in creameries or in any way to make it as good as average creamery butter, the increased income to the producers would amount to \$15,000,000 a year. Again, if the average municipal milk supply could be but slightly improved in quality and sanitary condition and the service correspondingly improved, the gain in the comfort and health of millions of people would be beyond measurement by dollars. Such improvements are entirely practicable and in large measure, comparatively easy of accomplishment.

#### ANIMAL HUSBANDRY.

At the last session of Congress an appropriation of \$25,000 was made for the purpose of enabling the Bureau of Animal Industry to conduct experiments in animal breeding in cooperation with the State experiment stations. Plans for this work have not yet been perfected, but arrangements have been made to conduct cooperative experiments in poultry breeding with the Maine Experiment Station in order to study the breeding of 200-egg hens, including the amount of floor space required per hen, and with the Pennsylvania Experiment Station, in addition to the work already in progress there with the respiration calorimeter, to study the influence of age and individuality on the metabolism of beef cattle. Negotiations are in progress to establish cooperative experiments in horse breeding with the Colorado Experiment Station.

A cooperative experiment with the Colorado Experiment Station has recently been made to study the feeding value of sugar-beet pulp with alfalfa hay, with and without ground corn or ground wheat. The results will be published as a bulletin of this Bureau. The experiment seems to indicate that sugar-beet pulp has considerable value for steer feeding, either with alfalfa hay without grain or in connection with grain. The best results were obtained when grain was fed, but the hay-and-pulp ration was exceedingly economical and produced excellent gains.

The importation of families, breeds, and species of domestic animals of foreign countries, which are not known in the United States and whose use promises to be of value to our animal industry, has been started by the importation of four ewes and a buck of the native sheep of Barbados. These sheep are practically woolless, and are said to be valuable for mutton in warm climates. They were obtained through the courtesy of Sir Daniel Morris, imperial commissioner of agriculture for the West Indies. They will be quarantined at the experiment station of the Bureau of Animal Industry until their habits and qualities can be given careful study, after which the purpose is to send them to some point in the South for further trial.

*General statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904.<sup>a</sup>*

	Salaries.	Traveling expenses.	Miscella- neous.	Total.
Meat inspection.....	\$713,955.07	\$3,491.30	\$63,489.62	\$780,935.99
Microscopic inspection .....	50,265.60	820.29	3,731.86	53,997.46
Export cattle inspection .....	58,776.82	1,999.64	4,561.09	64,148.50
Import cattle inspection .....	12,909.13	25,748.67	2,563.11	44,934.67
Contagious diseases of animals .....	75,157.04	5,057.10	1,499.00	103,408.82
Contagious diseases of horses .....	36,049.39	2,096.12	7,632.22	43,777.29
Washington and miscellaneous .....	21,948.50	2,388.67	5,144.23	30,276.58
Scientific investigations .....	15,877.57	1,019.71	7,308.37	27,592.16
Experiment station, Bethesda, Md .....	18,289.18	6,937.99	6,538.94	31,766.11
Dairy division .....	11,206.23	236.06	23,186.58	34,627.87
Quarantine stations .....	3,878.50	402.83	1,582.95	5,814.28
Hog cholera serum experiments .....	2,500.00	.....	.....	2,500.00
Total .....	1,025,870.13	44,136.28	131,225.24	1,201,231.65

*a Including vouchers paid to October 1, 1904.*

#### GENERAL STATEMENT OF DISBURSEMENTS FROM THE EMERGENCY APPROPRIATION, 1904-5.

	Salaries.	Traveling expenses.	Miscella- neous.	Total.
Contagious diseases of animals .....	\$68,399.27	\$31,166.23	\$1,677.63	\$101,243.03
Eradication of foot-and-mouth disease .....	12,551.49	9,742.56	2,011.94	24,305.93
Contagious diseases of horses .....	3,198.66	993.42	773.25	4,965.32
Hog cholera serum experiments .....	1,776.00	161.80	590.04	2,330.84
Total .....	85,925.41	42,067.01	5,052.76	133,045.18

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

STATUTORY SALARIES—BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem.	Compensation. Per annum.	Disbursements. Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON, D. C.									
D. E. Salmon.....	Chief of Bureau.	July 1, 1902							
A. D. Melvin.....	Assistant chief of Bureau	Jan. 1, 1899				\$4,500			
S. R. Burch.....	Chief clerk.....	Jan. 1, 1897	Sept. 1, 1903			2,500			
A. M. Farrington.....	Chief of inspection division.	Jan. 1, 1899				2,500			
H. J. Washburn.....	Assistant chief of inspection division.	Mar. 20, 1903				1,800			
E. B. Jones.....	Chief of quarantine division.	July 1, 1903							
Do.....	Chief clerk.....	Oct. 1, 1903				2,000			
H. E. Alvord.....	Chief of dairy division.....	July 1, 1895				2,500			
Harry Hayward.....	Assistant chief of dairy division.	Mar. 1, 1903	Aug. 17, 1903			1,800			
C. B. Lane.....	do.....								
J. P. Mohler.....	Chief of pathological division.	Nov. 1, 1903				1,800			
B. C. Oberly.....	Assistant in pathological division.	July 1, 1902				2,500			
A. M. Winfield.....	do.....	Feb. 15, 1900				1,200			
T. B. Reamy.....	do.....	July 1, 1896				840			
E. A. de Schweinitz.....	Chief of biochemical division.	July 1, 1899				2,500			
Do.....	Biochemist in charge, etc.	Feb. 1, 1904	Feb. 15, 1904			3,000			
Marion Dorset.....	Assistant in biochemical division.	Dec. 1, 1902				2,250			
Do.....	Chief of biochemical division.	Feb. 1, 1904				2,500			
James A. Emery.....	Assistant in biochemical division.	July 1, 1903				1,800			
Thomas M. Price.....	do.....	Apr. 15, 1903				1,400			
M. C. P. Reynolds.....	do.....	Jan. 1, 1891				1,400			
Nellie F. Haughton.....	do.....	Jan. 1, 1901				1,200			
Geo. W. Stiles, Jr.....	do.....	Feb. 16, 1903				720			
Do.....	Clerk.....	Oct. 1, 1903				840			
Do.....	Zoologist.....	Apr. 1, 1904				900			
R. W. Hickman.....	Veterinary inspector.....	Mar. 20, 1903				2,500			
Albert Hassall.....	do.....	Dec. 1, 1901				1,800			
John L. Buckley.....	do.....	Mar. 20, 1903				1,600			
Chas. F. Flucken.....	do.....	July 1, 1903				1,400			
Geo. B. Morse.....	do.....	Mar. 20, 1903				1,400			

E. C. Schroeder .....	Superintendent of experiment station.	July 1, 1901
Geo. W. Brett .....	Assistant superintendent of experiment station.	Mar. 16, 1901
James M. Pickens .....	Editorial clerk.	May 1, 1893
H. H. Gerdes .....	Clerk.	Apr. 1, 1897
Joseph Abel .....	do	Mar. 20, 1903
C. C. Carroll .....	do	July 1, 1902
I. C. L. Evans .....	do	Oct. 10, 1900
Irving Frickey .....	do	Oct. 1, 1903
Fannie N. Gregory .....	do	Apr. 1, 1897
Evelyn Lyons .....	do	July 1, 1898
C. F. Morris .....	do	July 1, 1902
Mary T. Sullivan .....	do	Apr. 1, 1897
Mary T. Dent .....	do	Mar. 1, 1893
Mary E. Fagan .....	do	July 1, 1902
Marta H. Mahon .....	do	Apr. 1, 1897
Mary G. Marshall .....	do	July 1, 1897
Thomas A. Scott .....	do	July 1, 1902
Do. ....	do	Jan. 1, 1904
Annette M. Dye .....	do	July 1, 1903
Frank R. Fravel .....	do	July 1, 1902
Do. ....	do	Jan. 1, 1904
Sedie Haskell .....	do	do
M. C. Montgomery .....	do	July 1, 1898
Carrie Myers .....	do	Jan. 1, 1903
Do. ....	do	Jan. 1, 1904
E. R. Oberly .....	do	Jan. 1, 1903
Chas. A. Pfender .....	do	July 1, 1903
Leroy Scribner .....	do	Dec. 1, 1900
W. S. Stanner .....	do	July 1, 1902
Andrew Fossum .....	do	Jan. 1, 1904
Do. ....	do	June 1, 1903
J. N. Hornbaker .....	do	Aug. 1, 1903
Do. ....	do	July 16, 1903
H. L. Watson .....	do	Jan. 1, 1904
Do. ....	do	July 1, 1903
Mary A. Agnew .....	do	Jan. 1, 1904
Bertha I. Bennett .....	do	Mar. 1, 1904
Anna C. Crain .....	do	Sept. 18, 1903
L. E. Fairfax .....	do	June 29, 1893
Edw. C. Johnsson .....	do	Apr. 1, 1904
Ralph W. Magee .....	do	Aug. 20, 1903
Sallie R. Reeves .....	do	July 28, 1903
Do. ....	do	Oct. 1, 1903
Margaret L. Sewall .....	do	Sept. 16, 1903
Do. ....	do	Aug. 1, 1902
L. J. Simonton .....	do	Feb. 20, 1903
John G. Willier .....	do	Nov. 16, 1903
Wm. S. D. Haines .....	Illustrator.	July 1, 1900

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

STATUTORY SALARIES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
<b>WASHINGTON, D. C.—continued.</b>							
Geo. I. Hall.....	Fireman.....	July 1, 1896		\$720			
B. R. Sherwood.....	.....	Apr. 1, 1903		720			
Chas. C. Croghan.....	Messenger.....	July 1, 1900		720			
Asa H. Kite.....	do.....	July 1, 1896		720			
John Nicholas.....	do.....	Mar. 16, 1903		720			
Wm. C. Shimoneck.....	do.....	Apr. 3, 1897		720			
Eaglehart G. Grau.....	Skilled laborer.....	May 16, 1903		660			
Geo. W. Scheer.....	do.....	Jan. 16, 1898		660			

EMERGENCY APPROPRIATION—BUREAU OF ANIMAL INDUSTRY.

ERADICATION OF FOOT-AND-MOUTH DISEASE.	Inspector.....	Oct. 1, 1901	\$2,000			\$668.50	\$147.61
				Per diem.	Per annum.		
S. E. Bennett .....	.....	Apr. 1, 1903		1,800		450.00	450.00
U. G. Houck .....	do.....	do.....		1,800		547.83	367.84
R. P. Steddom .....	do.....	Nov. 15, 1900		1,800		151.60	104.81
H. N. Waller .....	do.....	Oct. 1, 1903		1,500		191.62	279.18
L. Enos Day .....	do.....	Oct. 1, 1902		1,500		472.83	447.20
G. A. Johnson .....	do.....	June 15, 1903		1,500		311.52	501.40
J. A. Kiernan .....	do.....	May 15, 1902		1,500		654.85	654.85
J. V. Laddey .....	do.....	May 15, 1903		1,500		163.08	190.88
A. McBride .....	do.....	June 15, 1903		1,500		464.67	320.06
P. H. Mullowney .....	do.....	Apr. 1, 1903		1,500		370.96	401.12
J. P. O'Leary .....	do.....	Apr. 15, 1903		1,500		106.98	59.74
W. C. Siegmund .....	do.....	May 1, 1903		1,500		464.67	211.66
H. Q. Thompson .....	do.....	Apr. 1, 1903		1,400		11.41	38.88
I. K. Atherton .....	do.....	Sept. 1, 1898		1,400		52.10	64.67
H. M. Ball .....	do.....	Mar. 1, 1902		1,400		467.90	525.98
E. J. Cary .....	do.....	June 1, 1903		1,400		429.92	545.97
C. O. Durfee .....	do.....	June 15, 1903		1,400		467.90	542.04
J. Wm. Fink .....	do.....	June 16, 1901		1,400		467.90	662.29
R. G. Lawton .....	do.....	Mar. 1, 1903		1,400		45.65	36.56
A. F. Martins .....	do.....	Apr. 1, 1901		1,400		433.70	197.95
F. L. Stevens .....	do.....	July 15, 1902		1,400		235.80	150.86
A. E. Wright .....	Vessel inspector.....	Mar. 1, 1902		1,400		418.48	81.19
Thomas Coyle .....	Assistant inspector .....	May 1, 1903		1,200			
A. Eichhorn .....	Assistant inspector .....	Mar. 25, 1901		1,200			

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Andrew Hyde .....	June 6, 1902	441.88
Marion Lines .....	Aug. 5, 1901	371.74
A. N. Irwin .....	do	401.10
D. S. Kanstoroom .....	do	561.51
M. T. Perry .....	do	153.27
Cyrus K. Snail .....	do	189.14
E. D. Everett .....	do	207.79
(G. T. Hamton .....	do	189.03
F. P. Nowlan .....	do	32.17
L. L. Bullard .....	do	28.99
F. H. Burleigh .....	do	1,200
G. M. Dishong .....	do	1,200
W. H. Hersey .....	do	1,200
C. B. Hutchinson .....	do	1,200
Wm. F. Osborn .....	do	900
Frank L. Shipp .....	do	900
Geo. E. Waser .....	do	900
Effie I. Westcott .....	do	900
R. F. Brennan .....	do	900
E. F. Connally .....	do	900
F. E. Darling .....	do	900
M. Dillon .....	do	900
P. Harrington .....	do	900
F. Herrick .....	do	900
Chas. McNally .....	do	900
Jos. J. Rieman .....	do	900
W. M. H. Seabrook .....	do	900
R. D. Stoughton .....	do	900
J. A. Twomey .....	do	900
D. E. Salmon .....	do	900
Geo. P. McCabe .....	Travel and miscellaneous expenses.	\$51.35
Thomas L. Rice .....	Traveling expenses.	91.10
Henry E. Brown .....	do	69.80
Chas. P. Blocken .....	do	6.99
The Pullman Co. ....	do	4.50
The Pennsylvania Railroad Co. ....	Transportation, McCabe	6.00
New Haven and Hudson River Railroad Co. ....	do	36.75
New York Central and Hudson River Railroad Co. ....	do	39.50
Trustees of the Milk Street Trust. ....	do	2.73
G. R. Tyzzer .....	Rent	300.00
C. A. Dennem .....	Cattle, and destroying hay	368.00
James S. Henry .....	Cattle, and teaming	225.16
New England Telegraph and Telephone Co. ....	do	120.75
Houghton & Dutton. ....	Telephone service	-
Wm. T. Curley .....	Bedding	7.12
Smith & Thayer Co. ....	Feed	52.20
F. N. Adams .....	Freight and repairs	48.23
	Use of barn.	25.00

**EMERGENCY APPROPRIATION—BUREAU OF ANIMAL INDUSTRY—Continued.**

## TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS.

A. G. G. Richardson.....	Oct. 1, 1899	Inspector.....	\$2,000
Do.....	Dec. 1, 1903	do.....	398,40
Geo. S. Hickox.....	July 1, 1903	Agent and expert Inspector.....	20,30
John McBriney.....	July 1, 1898	do.....	6,19
A. A. Holcombe.....	Jan. 1, 1903	do.....	54,55
Do.....	May 1, 1904	do.....	800,00
Harry B. Adair.....	Feb. 1, 1903	do.....	800,00
Leslie J. Allen.....	Jan. 1, 1903	do.....	1,600
W. C. Barth.....	Oct. 1, 1903	do.....	1,600
Richd. J. Blanche.....	Apr. 1, 1903	do.....	1,500
Thos. A. Bay.....	May 1, 1903	do.....	1,600
Lowell Clarke.....	Apr. 1, 1903	do.....	1,500
E. N. Hutchinson.....	do.....	do.....	1,500
Peter L. Kershner.....	June 15, 1903	do.....	1,500
John A. Kiernan.....	June 15, 1903	do.....	1,500
John V. Laddey.....	Mar. 16, 1903	do.....	1,500
W. A. Savage.....	Mar. 1, 1901	do.....	1,500
Geo. A. Bond.....	Mar. 1, 1901	do.....	1,500
Do.....	Dec. 1, 1903	do.....	1,500
C. H. Bugbee.....	Sept. 16, 1901	do.....	1,400
Roy N. Drake.....	Jan. 1, 1904	do.....	1,500
Do.....	Sep. 16, 1901	do.....	1,400
D. C. Hanawalt.....	Jan. 1, 1904	do.....	1,500
F. C. Bells.....	Apr. 1, 1901	do.....	1,400
Do.....	Nov. 1, 1903	do.....	1,500
W. P. Ellenberger.....	Sept. 1, 1901	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500
Wm. R. Fleming.....	Mar. 16, 1903	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500
D. C. Hanawalt.....	Sept. 16, 1901	do.....	1,400
Do.....	May 1, 1904	do.....	1,500
F. W. Hopkins.....	June 1, 1900	do.....	1,400
Do.....	Oct. 1, 1903	do.....	1,500
Walter E. Howe.....	May 1, 1901	do.....	1,400
Do.....	Dec. 1, 1903	do.....	1,400
J. Otis Jacobs.....	May 1, 1901	do.....	1,500
Do.....	Dec. 1, 1903	do.....	1,400
Louis A. Klein.....	Jan. 1, 1903	do.....	1,500
Do.....	Apr. 1, 1904	do.....	1,500
M. S. Lantz.....	Sept. 16, 1901	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500
Louis Meissner.....	Sep. 16, 1901	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500
Jos. W. Parker.....	Sept. 16, 1901	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500
Adolph J. Pastor.....	Sep. 1, 1901	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500
Robt. A. Ramsay.....	Sep. 1, 1901	do.....	1,400
Do.....	Jan. 1, 1904	do.....	1,500

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

EMERGENCY APPROPRIATION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	
<b>TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS—cont'd.</b>								
Hugh M. Rowe.	Inspector		Sept. 16, 1901	\$1,400			\$750.00	\$242.25
Do.	do		Jan. 1, 1904	1,500			750.00	249.40
Geo. E. Totten.	do		Sept. 16, 1901	1,400			482.20	211.00
Do.	do		Jan. 1, 1904	1,500				
A. H. Walnuc.	do		Apr. 1, 1902	1,400				
Do.	do		Apr. 1, 1904	1,500				
Alex. E. Wright.	do		Mar. 1, 1902	1,400			725.00	207.50
Do.	do		Apr. 1, 1904	1,500				
G. W. Browning	do		Sept. 16, 1901	1,400			580.80	250.78
E. J. Cary.	do		June 1, 1903	1,400			700.00	441.66
W. S. Cass.	do		Sept. 1, 1898	1,400			700.00	243.42
C. A. Clawson.	do		Feb. 1, 1903	1,400			584.60	159.90
S. E. Costord.	do		May 1, 1900	1,400			115.40	108.55
E. J. Foreman.	do		Feb. 15, 1903	1,400			700.00	167.05
H. J. Hammond.	do		Sept. 1, 1902	1,400			700.00	323.65
Jno. J. Hayes.	do		July 12, 1902	1,400			700.00	354.06
W. B. Lincoln.	do		May 1, 1901	1,400			165.40	43.90
W. M. MacKellar.	do		June 1, 1903	1,400			580.80	84.75
Lewis A. Nutting.	do		June 1, 1904	1,400			115.40	83.17
L. W. O'Rourke.	do		Sept. 1, 1902	1,400			700.00	434.75
John A. Sloan.	do		June 16, 1902	1,400			465.40	52.40
Nath'l. B. Smith.	do		May 15, 1902	1,400			700.00	276.00
N. L. Townsend.	do		Aug. 1, 1902	1,400			700.00	237.30
Robt. H. Tracy.	do		Sept. 16, 1901	1,400			700.00	270.80
Thos. White.	do		Sept. 1, 1902	1,400			700.00	176.27
W. W. Worcester.	do		July 1, 1900	1,400			700.00	299.70
H. C. Babcock.	Assistant inspector.		do	1,200			333.80	
Do.	Inspector.		Sept. 1, 1903	1,400				
F. W. Brewer.	Assistant inspector.		Oct. 1, 1902	1,200			465.40	206.05
Do.	Inspector.		Sept. 1, 1903	1,400				
John L. Burgett.	Assistant inspector.		June 18, 1901	1,200				
Do.	Inspector.		Feb. 1, 1904	1,400			465.40	56.84
H. H. Collins.	Assistant inspector.		May 21, 1902	1,200				
Do.	Inspector.		Sept. 1, 1903	1,400				
Chas. W. Denning.	Assistant inspector.		June 1, 1901	1,200			700.00	308.10
Do.	Inspector.		May 16, 1901	1,400			625.29	223.25
Adolph Eichhorn.	Assistant inspector.		May 25, 1901	1,200			336.80	59.50
Do.	Inspector.		Apr. 1, 1904	1,400				

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Marion Imes .....	Aug. 5, 1901	465.40
Inspector .....	Aug. 5, 1901	321.53
do .....	Feb. 1, 1904	1,200
A. N. Irwin .....	Feb. 1, 1901	1,400
do .....	Feb. 1, 1903	1,200
Geo. Jerome .....	Oct. 1, 1903	1,400
do .....	Nov. 24, 1902	1,200
Inspector .....	Mar. 1, 1904	1,400
Assistant inspector .....	Aug. 5, 1901	1,400
Inspector .....	Jan. 16, 1904	1,200
Assistant inspector .....	May 23, 1901	1,400
Inspector .....	Oct. 1, 1903	1,200
Assistant inspector .....	Apr. 1, 1901	1,400
Assistant inspector .....	Oct. 1, 1903	1,200
Inspector .....	Sept. 20, 1902	1,400
Assistant inspector .....	Jan. 16, 1904	1,200
Inspector .....	June 25, 1902	1,400
Assistant inspector .....	Nov. 1, 1903	1,200
Inspector .....	May 1, 1903	1,200
Assistant inspector .....	Feb. 17, 1903	1,200
Wm. J. Bracken .....	June 15, 1903	1,200
H. R. McNally .....	do .....	1,200
do .....	Feb. 20, 1904	1,200
Theo. S. Rich .....	June 15, 1903	1,200
do .....	Sept. 25, 1900	1,200
Stephen L. Blount .....	June 6, 1904	1,200
Walter C. Bower .....	May 1, 1903	1,200
Jas. F. Ellis .....	Mar. 12, 1903	1,200
Fred Evans .....	do .....	1,200
Frank J. Glynn .....	do .....	1,200
Timothy C. Hays .....	do .....	1,200
Wm. L. Haatt .....	do .....	1,200
W. H. Hurst .....	do .....	1,200
John H. Lowe .....	Feb. 9, 1903	1,200
S. W. McClure .....	Jan. 23, 1903	1,200
E. M. Nightingale .....	June 25, 1902	1,200
Frank D. Owen .....	do .....	1,200
Frank Parker .....	do .....	1,200
Chas. Pearson .....	do .....	1,200
Robt. M. Rabon .....	do .....	1,200
Laomer West .....	June 15, 1903	1,200
Walter H. Yingst .....	July 12, 1902	1,200
Albert Dean .....	Sept. 1, 1893	1,800
Joseph Bruser .....	Nov. 15, 1897	1,200
W. E. Hill .....	do .....	1,200
do .....	Jan. 1, 1894	1,200
do .....	do .....	1,200
Assistant inspector .....	July 1, 1900	95.60
Live stock agent .....	do .....	1,200
do .....	do .....	1,200
do .....	do .....	1,200
do .....	do .....	1,200
do .....	do .....	1,200
Special stock agent .....	do .....	1,200
Stock examiner .....	do .....	1,200
Field stock examiner .....	do .....	1,200
Tagger .....	do .....	1,200
Stock examiner .....	do .....	1,200
Field stock examiner .....	do .....	1,200
H. E. Armstrong .....	Feb. 15, 1904	900
Do .....	Mar. 1, 1901	1,000
		385.20
		477.04

EMERGENCY APPROPRIATION—BUREAU OF ANIMAL INDUSTRY—Continued.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

Name.	Designation.	Appointed.	Services ended.	Compensation.		Salaries,	Travel- ing.	Miscella- neous.
				Per diem.	Per annum.			
<b>TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS—cont'd.</b>								
Alfred L. Bailey	Stock examiner	Apr. 1, 1903		\$900				
Do.	Field stock examiner	Apr. 1, 1904		1,000				
Chas A. Brown	Stock examiner	July 1, 1903		1,000				
S. Campbell	Field stock examiner	Feb. 1, 1901		900				
Do.	Stock examiner	Apr. 1, 1904		1,000				
Wm. R. Dennis	Stock examiner	July 1, 1903		1,000				
S. D. Gillett	Field stock examiner	Jan. 1, 1903		900				
Do.	Stock examiner	Feb. 1, 1903		1,000				
M. T. Hascall	Field stock examiner	Feb. 1, 1903		900				
Do.	Stock examiner	July 16, 1903		1,000				
David R. Hodges	Field stock examiner	July 1, 1903		1,000				
E. L. Jackson	Stock examiner	Nov. 1, 1894		900				
Do.	Field stock examiner	Apr. 1, 1904		1,000				
Thos. J. Lowry	Stock examiner	June 15, 1903		1,000				
John C. Massie	do	Dec. 15, 1903		1,000				
Do.	Field stock examiner	Feb. 1, 1904		900				
May Merrill	Stock examiner	June 16, 1903		1,000				
F. O. Petty	do	July 1, 1903		1,000				
Wm. F. Phagin	Field stock examiner	Aug. 1, 1895		900				
W. S. Pidcock	do	May 1, 1904		1,000				
Wm. Proudfoot	Field stock examiner	June 16, 1903		1,000				
Do.	Stock examiner	Nov. 1, 1903		900				
Do.	Field stock examiner	Dec. 1, 1903		1,000				
Thos. Redmond	Stock examiner	July 1, 1903		1,000				
Isaiyah Richards	do	do		720				
F. W. Schatzell	Tagger	Jan. 2, 1899		900				
Do.	Stock examiner	Aug. 1, 1903		1,000				
Do.	Field stock examiner	May 16, 1904		900				
Henry Singleton	Stock examiner	Feb. 1, 1901		1,000				
Do.	Field stock examiner	Apr. 1, 1901		1,000				
Alfred J. Smith	do	July 1, 1903		1,000				
W. L. Upton	Stock examiner	July 1, 1902		900				
Do.	Field stock examiner	Feb. 18, 1901		1,000				
James Irwin	Stock examiner	Feb. 15, 1897		900				
T. B. Cracrott	do	May 1, 1903		1,000				
Chas. C. Conley	do	July 1, 1904		900				
J. W. Davis	do	Jan. 1, 1894		900				
Do.	do	do		900				

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Wm. C. Honan	do	57.45
H. L. McDonald	do	299.20
R. G. Merrill	do	160.69
Orin W. Noyes	do	144.30
C. K. Schaefer	do	450.00
J. F. Schiemann	do	158.32
Do.	do	160.80
Ios. M. Turner	do	208.45
S. I. Valentine	do	163.16
Wm. Yemmer	do	83.90
Edw. O. Speake	do	299.20
Geo. M. Bettis	do	299.20
E. Bunn	Tagger	71.80
Do.	Stock examiner	180.80
Wm. A. Fry	Tagger	31.00
Do.	Stock examiner	227.40
Chas. F. Bork	Tagger	299.20
Do.	Stock examiner	299.20
Philas Gilmore	Tagger	273.30
Do.	do	4.50
Z. T. Allingham	do	128.53
L. Boone	do	128.53
Henry Burke	do	31.00
Wm. E. Burrows	do	31.00
Jed C. Dauncey	do	31.00
Asas. C. Eklime	do	31.00
Asas. A. Flanagan	do	31.00
Banj. F. Gooch	do	31.00
John R. Hand	do	31.00
G. A. Harvey	do	31.00
Morton Hattery	do	31.00
Nm. H. Hyde	do	31.00
as. M. Lawson	do	31.00
ere. C. Leyser	do	31.00
Oy C. Livers	do	31.00
R. Newman	do	31.00
Emest K. O'Neil	do	31.00
P. C. O'Rourke	do	31.00
John L. Osborn	do	31.00
os. C. Reid	do	31.00
H. Robinson	do	31.00
J. R. Schlyter	do	31.00
Harry A. Smith	do	31.00
Alva Snyder	do	31.00
2. S. Spindler	do	31.00
Claude E. Verry	do	31.00
E. Webster	do	31.00
Hiram Grable	do	31.00
V. J. Muldownall	do	31.00
W. W. Crandall	do	31.00
? D. Ketchum	do	31.00
Traveling expenses	321.00	49.50

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

EMERGENCY APPROPRIATION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
<b>TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS—cont'd.</b>									
Dean G. Cooper.....						Traveling expenses .....		\$2.75	
C. Loveberry.....						do .....		2.05	
Union Pacific R. R. Co. ....						Transportation, Hickox, Cary, et al. ....		621.56	
Chicago, Burlington and Quincy Rwy. Co. ....						Transportation, Armstrong, Boone, et al. ....		276.00	
Burlington and Missouri River R.R. in Nebraska. Chicago and Northwestern Rwy. Co. ....						Transportation, Cary, Adams, et al. ....		195.05	
The Pennsylvania R. R. Co. ....						Transportation, Massie, Rock, et al. ....		180.40	
The Pullman Co. ....						Transportation, McCabe. ....		57.00	
Missouri Pacific Rwy. Co. ....						do .....		23.50	
Norfolk and Western Rwy. Co. ....						Transportation, Hanawalt, Glynn, et al. ....		102.10	
Oregon Short Line R. R. ....						do .....		10.00	
Northern Pacific Rwy. Co. ....						Transportation, Hickox, Armstrong, et al. ....		68.75	
Denver and Rio Grande R. R. Chicago, Milwaukee and St. Paul Rwy. Co. ....						Transportation, Hickox and Clarke. ....		45.45	
The St. Joseph and Grand Island Rwy. ....						do .....		18.00	
The Colorado Southern Rwy. Co. ....						Transportation, Adams, Blacken, et al. ....		76.15	
The Baltimore and Ohio R. R. Co. Chicago Great Western Rwy. ....						Transportation, Burrows and Leyser. ....		52.80	
Great Northern Rwy. Co. ....						Transportation, Ramsey and Parker. ....		32.50	
The Atchison, Topeka and Santa Fe Rwy. Co. ....						Transportation, Butler. ....		32.20	
The Chicago and Alton Rwy. ....						Transportation, Evans and Blanche. ....		37.45	
Louisville and Nashville R. R. Co. ....						Transportation, Clarke. ....		10.50	
Illinois Central R. R. Co. ....						Transportation, Eagle and Hays. ....		30.60	
Baugh & Lomb Opticai Co. ....						Transportation, Holcombe and Lowe. ....		11.30	
Henry Evans. ....						Transportation, Riehardson. ....		8.60	
						Transportation, Ellenberger. ....		4.25	
						Aeromeric triplex. ....		48.00	
						Thermometers. ....			

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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W. S. Cass .....	201.00
R. G. Merrill .....	150.00
N. L. Townsend .....	100.00
Aug. C. Jens .....	.50.00
J. W. Davis .....	.36.00
F. Auerbach & Bro .....	180.00
C. Deaderick .....	.50.00
The Kansas City Stock Yards Co. ....	15.00
Louis A. Klein .....	75.00
Thomas A. Bray .....	75.00
Wm. D. Jorden .....	75.00
Rocky Mountain Bell Telephone Co. ....	45.00
W. E. Howe .....	15.00
C. B. Hart .....	24.00
American Linen Supply Co. ....	6.00
Albert Dean .....	4.67
Washington Post Co. ....	3.45
The State Co. ....	2.50
The Sentinel Printing Co. ....	2.00
Republican Publishing Co. ....	2.40
The Ohio State Journal Co. ....	2.75
Nashville Banner .....	1.47
Baltimore American .....	3.00
Nebraska State Journal .....	2.30
Charleston Daily Mail .....	2.06
Commercial Press Co. ....	2.88
Kennebec Journal .....	1.50
Evening Journal .....	2.30
Vicksburg Herald .....	3.56
The Indianapolis News .....	1.84
Salt Lake Daily Tribune .....	2.53
Gannett Statesman .....	1.64
Daily State Gazette .....	1.32
Topeka State Journal .....	1.15
Atlanta Constitution .....	1.20
Sacramento Union .....	4.08
Iowa State Register .....	4.17
Montana Daily Record .....	3.60
Breeders' Gazette .....	6.65
Oklahoma State Capital .....	1.80
Bismarck Tribune .....	2.10
Oregon Statesman .....	2.40
The State Republican .....	2.60
Wyoming Tribune .....	2.06
Arizona Republican .....	2.50
St. Paul Dispatch .....	3.35
Santa Fe New Mexican .....	2.00
The Times Dispatch Co. ....	1.40
Carson City News .....	1.90
Philadelphia Inquirer .....	4.01

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

EMERGENCY APPROPRIATION—BUREAU OF ANIMAL INDUSTRY—Continued.

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Chicago, Burlington and Quincy Rwy. Co.	Transportation, Day	\$16
Chicago, Rock Island and Pacific Rwy. Co.	Transportation, Barker	2.56
Pretty Hip	3 mares	
L. D. Turner	2 mares	
Her Plenty Horses	do	
Alex. Merrivall	1 mare	
Z. T. Davis	do	
George Roffe	do	
Chas. Landess	do	
John Nelson	do	
H. P. Simmons	do	
A. A. Lamb	do	
Yellow Hair Woman	do	
Bernard Black	do	
John White Wolf	do	
W. C. Snoot	do	
A. J. Shieck	do	
Full Stomach	do	
Wallace Running Eagle	do	
Thomas O'Rourke	do	
M. H. Clifford	stallion	
W. E. Hargrave	do	
Pitts H. Barker	do	
I. J. M. Brown	saddle horse	
		3,198.65
		993.42
		773.25

HOG CHOLERA SERUM EXPERI-  
MENTS.

W. B. Niles	Inspector	Oct. 1, 1901	1,000	351.80	33.18	109.94
Chas. M. Day	do	Jan. 1, 1903	1,500	498.70	113.87	15.00
J. I. Bagnall	Laborer	June 12, 1902	2.50	252.50		
M. L. Byrd	do	May 22, 1904	2.50	42.50		
M. M. Chambers	do	do	2.50	50.00		
S. N. Heaton	do	Apr. 25, 1900	2.50	45.00		
Thos. McMahon	do	May 22, 1901	2.50	42.50		
A. A. Timson	do	Apr. 26, 1900	2.50	42.50		
Henry Towns	do	do	2.50	42.50		
Jas. Copeland	do	Oct. 10, 1901	2.00	228.00		
C. N. McBryde	do				17.75	
Louis Kaisser	Traveling expenses					400.00
P. J. Lamb	Logs					21.10
Emma Curran, administratrix	Corn					21.00
A. F. Baland	Rent					20.00
City Telephone Co	Riced, rent, etc.					3.00
	Telephone					
						*
						1,776.00
						164.80
						590.04

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.	
				Per diem	Per annum.	Miscellaneous items	Salaries
<b>WASHINGTON AND MISCELLANEOUS.</b>							
Geo. P. McCabe . . . . .	Assistant . . . . .	Apr. 1, 1903		\$2,000		\$2,250.00	
Do . . . . .	do . . . . .	Jan. 1, 1904	2,500			2,000.00	\$71.90
Geo. F. Thompson . . . . .	Editor . . . . .	Mar. 20, 1903		2,000		1,800.00	7.20
A. L. Pitney . . . . .	Special agent . . . . .	June 16, 1903		1,800		934.80	
Granville H. Parks . . . . .	Inspector . . . . .	July 1, 1902		1,600			
J. Wm. Fink . . . . .	do . . . . .	July 1, 1903		1,400			
Do . . . . .	Clerk . . . . .	June 1, 1904		1,500			
C. O. Goodpasture . . . . .	do . . . . .	Feb. 1, 1904		1,400			
Sam'l. B. Gregory . . . . .	Telephone and telegraph operator. . . . .	Mar. 1, 1903	Dec. 15, 1903	1,400			
A. G. Guthridge. . . . .	do . . . . .	July 1, 1903		1,400			
Andrew Fossum . . . . .	Clerk . . . . .	June 1, 1903		900			
Joel M. Graves . . . . .	do . . . . .	Aug. 1, 1903		1,200			
Marion A. Nelson . . . . .	do . . . . .	Oct. 10, 1903		1,200			
Willard J. Nevins . . . . .	do . . . . .	July 1, 1903	Nov. 1, 1903	1,200			
E. J. Newmyer . . . . .	do . . . . .	April 15, 1903		1,200			
Benj. G. Wasdon . . . . .	do . . . . .	July 1, 1903		1,200			
Irving W. Pew . . . . .	do . . . . .	do . . . . .		1,200			
Do . . . . .	do . . . . .	Jan. 1, 1900		1,000			
V. P. Bradford . . . . .	do . . . . .	Nov. 1, 1903		1,000			
Sadie Haskell . . . . .	do . . . . .	Mar. 7, 1903	Jan. 1, 1904	1,000			
Leroy Scribner . . . . .	do . . . . .	Jan. 1, 1904		1,000			
W. F. Tomlinson . . . . .	do . . . . .	Dec. 1, 1900		1,000			
R. E. L. Thompson . . . . .	do . . . . .	Jan. 1, 1904		1,000			
E. J. Maloy . . . . .	Carpenter . . . . .	July 1, 1903		1,100			
Geo. M. Rommel . . . . .	Messenger and custodian. Expert in animal husbandry. . . . .	July 1, 1901	do . . . . .	1,000			
do . . . . .	do . . . . .	do . . . . .		1,200			
W. J. Rutherford . . . . .	do . . . . .	May 1, 1904					
A. J. Meyer . . . . .	do . . . . .	Feb. 1, 1904	June 30, 1904	a \$100.00		200.00	
E. G. Ritzman . . . . .	Scientific aid in animal husbandry. . . . .	July 1, 1903	do . . . . .	a \$65.00		325.00	
do . . . . .	do . . . . .	do . . . . .		a 25.00			
P. W. Bicknell . . . . .	Special agent . . . . .	Oct. 14, 1903		480			
W. J. Kennedy . . . . .	Expert . . . . .	Dec. 1, 1902	June 30, 1904	a 250.00			
do . . . . .	do . . . . .	May 1, 1903		a 125.00			
W. P. Steedman . . . . .	Messenger . . . . .	Apr. 30, 1904	do . . . . .	a 100.00			
Mary A. Agnew . . . . .	Stenographer and typewriter. . . . .	July 1, 1902	Sept. 1, 1903	80		348.50	
do . . . . .	do . . . . .	do . . . . .		720			
Sept. 16, 1903				900			29.35

Sallie R. Reeves .....	Labourer .....	May 16, 1901	720	299.40
Do.....	Clerk .....	Dec. 1, 1901	840	
Do.....	Assistant microscopist .....	Jan. 1, 1901	900	
Louise Breerton .....	Microscopist .....	Nov. 1, 1901	600	150.80
Do.....	Assistant microscopist .....	May 1, 1901	900	
H. Inez Temple .....	Microscopist .....	Feb. 7, 1898	600	150.80
Do.....	Microscopist .....	May 1, 1901	900	
Cora A. Honseman .....	Assistant microscopist .....	June 10, 1898	600	74.23
Paul A. Hines .....	Laborer .....	July 1, 1900	720	720.00
A. L. Dahler .....	do .....	Oct. 1, 1900	480	480.00
Phoebe De Atley .....	do .....	Aug. 16, 1902	480	479.10
Willena Mozee .....	do .....	Jan. 4, 1901	480	480.00
A. H. Hollidge .....	do .....	July 1, 1903	600.00	720.00
Emma V. Rapp .....	do .....	Oct. 1, 1903	600.00	540.00
J. F. Skidmore .....	do .....	July 1, 1903	600.00	720.00
Royal G. Stedman .....	do .....	July 1, 1901	600.00	720.00
Corinne E. Eaton .....	do .....	Jan. 1, 1903	600.00	600.00
C. W. Towers .....	Painter .....	do .....	63.00	621.00
Do.....	Chairwoman .....	Nov. 1, 1903	180	
Mary B. Brown .....	Aug. 16, 1903	180		
Alice De Adley .....	July 28, 1903	480		
Elizabeth Fleming .....	Sept. 1, 1903	480		
Mary E. Martin .....	Oct. 1, 1901	480		
Estrelle L. O'Rourke .....	Aug. 1, 1902	480		
Ira A. Cook .....	Nov. 1, 1902	480		
James H. Bond .....	do .....	40.00		
Wm. T. Darrow .....	Apr. 4, 1903	60.00		
Louis C. Schilling .....	July 23, 1903	60.00		
John Caldwell .....	Dec. 31, 1903	60.00		
Wm. L. Phillips .....	do .....	40.00		
D. E. Salmon .....	Jan. 2, 1904	40.00		
A. D. Melvin .....	Apr. 12, 1904	63.00		
J. M. Pickens .....	Mar. 1, 1904	63.00		
The Pennsylvania R. R. Co .....	do .....	84.00		
Baltimore and Ohio R. R. Co .....	Traveling expenses .....		210.40	
Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....		980.24	
The Lake Shore and Michigan Southern Rwy. Co. ....	Transportation, Salmon, Brigham, et al. ....		30.88	
Central Vermont Rwy. Co. ....	Transportation, Bicknell, Pew, et al. ....		23.65	
New York Central and Hudson River R. R. Co. ....	Transportation, J. H. Brigham .....		115.65	
The Pullman Co. ....	Transportation, J. H. Brigham .....		38.50	
Oregon Short Line R. R. ....	do .....		26.75	
Union Pacific R. R. Co .....	do .....		8.60	
	Transportation, J. H. Brigham and McCabe. ....		4.38	
	Transportation, A. D. Melvin .....		5.50	
	do .....		17.40	
	do .....		18.00	

<sup>a</sup>Per day.<sup>a</sup>Per month.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Disbursements.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.					
<b>WASHINGTON AND MISCELLANEOUS—continued.</b>										
The Colorado and Southern Rwy. Co.						Transportation, A. D. Melvin.....	\$8.50			
Northern Pacific Rwy. Co.						do .....	5.90			
Chicago, Rock Island and Pacific Rwy. Co.						Transportation, F. W. Bicknell.....	9.65			
New York, New Haven and Hartford R. R.						Transportation, G. F. Thompson.....	12.25			
The Missouri Pacific Rwy. Co.						do .....	7.50			
Boston and Maine R. R.						Transportation, G. F. Thompson.....	4.34			
St. Louis and San Francisco R. R. Co.						Transportation, G. M. Rommel.....	28.65			
Chesapeake and Ohio Rwy. Co.						do .....	19.25			
Chicago, Burlington and Quincy Rwy. Co.						do .....	7.13			
Southern Rwy. Co.						do .....	18.50			
The Chicago and Alton Rwy						do .....	7.50			
Pere Marquette R. R. Co.						do .....	2.27			
Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.						do .....	19.00			
Union Envelope Co.						Envelopes .....	\$234.85			
United States Envelope Co.						do .....	181.31			
R. P. Andrews & Co.						Envelopes, paper and paste.....				
Remington Typewriter Co.						Typewriters and repairs.....	70.95			
Underwood Typewriter Co.						do .....	339.60			
D. Frank Parker						Typewriter supplies.....	103.80			
John C. Parker						Stationery .....	197.09			
Mary E. Parker, Ex						do .....	248.97			
Swayze, Bailey, & Co.						do .....	34.51			
R. Carter Ballantyne						do .....	34.46			
The Chesapeake and Potomac Telephone Co.						do .....	88.38			
Western Union Telegraph Co.						Telephone service .....	101.60			
Postal Telegraph Cable Co.						Telegrams .....	115.85			
Adams Express Co.						do .....	33.60			
U. S. Express Co.						Expressage .....	165.30			
Clark & Davenport						do .....	54.13			
Woodward & Lothrop						Carpet and linoleum .....	163.89			
						Desks, chairs, and matting .....	179.45			

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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W. B. Moses & Sons.....	18, 30
Leidy S. Depue.....	193, 12
Church & Stephenson.....	132, 50
Eberhard Faber.....	127, 12
Geo. F. Math & Co.....	160, 11
Leonard Pearson.....	360, 00
Potomac Electric Power Co.....	67, 30
Library Bureau.....	80, 10
Yavman and Erbe Manufacturing Co.....	28, 60
Mackall Bros.....	62, 91
J. Geo. Smith.....	59, 40
Rudolph, West & Co.....	20, 30
J. B. Lambie & Co. (Incorporated).....	51, 18
Publishers and Printers' Engraving Co. ....	82, 07
Geo. E. Bedell.....	33, 49
Harvard Laundry Co.....	30, 35
Capital Traction Co.....	26, 25
D. C. Paper Manufacturing Co.....	20, 30
Barber & Ross.....	59, 40
J. P. Navrath.....	22, 14
E. Morrison Paper Co.....	16, 22
R. A. Stouke.....	17, 96
Geo. W. Millar & Co.....	68, 70
Carter, Rice & Co. (Corporation).....	25, 00
John Underwood & Co.....	29, 16
Chas. R. Edmonton.....	22, 90
National Electrical Supply Co.....	21, 98
Chadwick Copying Book Co.....	24, 00
The Cutler Electric and Manufacturing Co.....	33, 04
Thos. Somerville & Sons.....	24, 30
Robert H. Treacy.....	21, 80
M. Du Perow.....	19, 30
The Randolph Paper Box Co.....	13, 60
Densmore Typewriter Co.....	12, 50
R. P. Clarke Co.....	11, 50
Wm. H. Dyer.....	12, 50
Leo Baum.....	10, 25
Z. D. Gilman.....	10, 00
N. H. Shea.....	10, 55
Francis Miller.....	3, 36
Delano & Moore.....	6, 25
Hugh Reilly.....	7, 00
Lamb & Tilden.....	7, 50
E. S. Newman.....	2, 15
John E. Shore.....	2, 25
Southern Printers' Supply Co.....	3, 00
Geo. E. Howard.....	4, 60
The Okonite Co. (Limited).....	3, 50
Mirror and chairs.....	Wire .....
Fuel.....	Wire .....
Lumber.....	Wire .....
Bands, erasers, and rulers.....	Wire .....
Lead, oil, and putty.....	Wire .....
Revising special report.....	Wire .....
Electric current.....	Wire .....
Cards and guides.....	Wire .....
Cases, guides, and folders.....	Wire .....
Soaps and combs.....	Wire .....
Penholders and pencils.....	Wire .....
Hardware.....	Wire .....
do .....	Wire .....
Engravings.....	Wire .....
Books, files, and ink.....	Wire .....
Repairing chairs.....	Wire .....
Towel laundry.....	Wire .....
Street car tickets.....	Wire .....
Blotting paper.....	Wire .....
Shears, files, and wire.....	Wire .....
Twine .....	Wire .....
Twine, paper, and paste.....	Wire .....
Sheep, feed and freight.....	Wire .....
Wrapping paper.....	Wire .....
do .....	Wire .....
Carbon paper.....	Wire .....
Hampers and buckets.....	Wire .....
Electric fans.....	Wire .....
Copying books.....	Wire .....
Circuit breaker.....	Wire .....
Lavatory, trap, and pipes.....	Wire .....
Photographs.....	Wire .....
Desk lamps.....	Wire .....
Pamphlet cases.....	Wire .....
Repairing typewriter.....	Wire .....
Towing.....	Wire .....
Sash, doors, and molding.....	Wire .....
Photos of sheep and goats.....	Wire .....
Thermometers and brushes.....	Wire .....
Soapine.....	Wire .....
Window glass.....	Wire .....
Films.....	Wire .....
Glue.....	Wire .....
Stamp racks.....	Wire .....
Paper.....	Wire .....
Repairing bicycles.....	Wire .....
Half tones.....	Wire .....
Fountain pens.....	Wire .....

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Disbursements.			
		Services ended.	Appointed.	Compensation.	Per diem.
		Miscellaneous Items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON AND MISCELLANEOUS—continued.					
Wolf Bros.					
J. J. Holcomb Manufacturing Co.					
Thomas R. Riley					
Blum Bros.					
The Jos. A. Gray Co.					
Fred. A. Schmidt					
F. P. May & Co.					
J. H. Burnell & Co.					
Wm. J. Bacon					
The Public Printer					
SCIENTIFIC INVESTIGATIONS.					
E. A. de Schweinitz	Chief biochemical division.	July 1, 1899	Feb. 15, 1904	\$2,500	42.24
Do	Biochemist in charge	Feb. 1, 1904	Feb. 1, 1904	3,000	
Marion Dorset	Assistant biochemical division.	Dec. 1, 1902		2,250	
Do	Chief of biochemical division.	Feb. 1, 1904		2,500	
Thos. M. Price	Assistant biochemical division.	Apr. 15, 1903		1,400	
Ernest W. Brown	Expert investigator	Oct. 16, 1900		1,200	
Do	Scientific assistant, etc.	Jan. 15, 1904		1,400	
C. N. McBryde	Expert biochemical division.	Sept. 17, 1902		1,200	
Do	Scientific assistant, etc.	Jan. 16, 1904		1,400	
B. H. Ransom	Scientific assistant in zoology	June 1, 1903		1,200	
Do	do	Jan. 1, 1904		1,400	
Nico. H. Hart	Expert in laboratory work.	July 1, 1903			
Do	Assistant inspector	Dec. 7, 1903			1,200
Carrie Myers	Clerk	Jan. 1, 1903			1,000
Do	do	Jan. 1, 1904			1,200

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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W. S. Stammer	do	July 1, 1902	1,000		402.20
Do	do	Jan. 1, 1904	1,200		937.25
Albert M. West	Assistant in Biochemic Division.	June 1, 1903	1,000		186.33
J. N. Hornbaker	Typewriter.	July 16, 1903	900		840.00
E. C. Stevenson	Scientific assistant.	June 1, 1903	810		6.30
Lena B. Goetz	Skilled laborer.	July 1, 1902	720		765.11
Do	do	Feb. 15, 1904	810		720
S. D. Castlemann	Laborer	July 1, 1900	720		720.00
Alice Henderson	do	July 1, 1902	720		720.00
Owen R. Perry	do	Sept. 16, 1901	720		720.00
Mary A. Nonne	do	Apr. 28, 1904	480		25.60
Louis Breerton	Assistant microscopist.	Nov. 1, 1901	600		189.50
Do	Microscopist.	May 1, 1904	900		180.00
Frank L. Reector	Scientific aid.	May 5, 1903	480		180.00
Louise Douglas	Charwoman.	Oct. 1, 1897	480		180.00
Jennie Jones	do	July 1, 1900	480		180.00
Lulu Marshall	do	July 1, 1900	180		38.60
Kate Wasson	do	May 1, 1904	480		180.00
C. T. Gill	do	do	480		180.00
B. M. Bolton	Expert.	Feb. 1, 1902	a \$10.00		300.00
Jas. M. Perry	Classified laborer, etc.	Dec. 1, 1902	a 150.00		720.00
R. C. Harley	Expert assistant.	July 1, 1903	a 60.00		600.00
H. J. Shore	Laborer	May 1, 1900	a 30.00		600.00
Fanny Tyson	do	July 1, 1898	a 60.00		600.00
Win. Alexander	do	July 1, 1902	a 30.00		600.00
A. C. Cassell	do	Apr. 16, 1901	a 30.00		600.00
V. E. Johnson	Laborer	July 1, 1900	a 30.00		600.00
H. Maria Marion	do	May 4, 1901	a 40.00		180.00
Sadie S. Berlin	do	July 30, 1900	a 40.00		180.00
A. E. Phillips	do	May 11, 1904	a 40.00		167.10
Amelia Turner	do		b 1.00		60.00
Lewis Smith	do				399.00
John R. Monier					146.11
Ch. W. Stiles					4.180
Geo. W. Moss					245.00
The Pennsylvania R. R. Co.					57.35
The Baltimore and Ohio R. R. Co.					3.08
Southern Rwy. Co.					42.70
J. S. Buckley					26.45
J. Harrison Johnson & Son					1,800.00
Potomac Electric Power Co					516.32
Washington Gas Light Co.					475.80
American Ice Co.					296.13
Chas. M. Day					516.10
Marion Dorsey					114.33
Elmer & Amend					480.60
Mackall Bros.					473.55
Library Bureau					289.02

<sup>a</sup> Per month.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name,	Designation,	Compensation,			Salaries,	Traveling	Miscellane-
		Appointed.	Services ended.	Per diem.	Per annum.		
<b>SCIENTIFIC INVESTIGATIONS—Continued.</b>							
Leddy S. Depue.....							\$138.59
Remington Typewriter Co.....							106.50
Z. D. Gilman .....							141.27
Queen & Co. (Incorporated)							135.36
Busch & Lomb Optical Co.							240.89
A. L. Webb & Sons, branch							91.26
Geo. E. Howard .....							21.50
R. P. Andrews & Co. (Incorpo-							75.90
rated.)							
Church & Stephenson.....							162.00
Henry Hell Chemical Co.....							62.40
Mellinckrodt Chemical Works.....							50.18
Electro-Time Engraving Co.....							60.00
Clark & Davenport.....							58.21
The Randall-Finchey Co.....							63.51
The Chesapeake and Potomac							51.50
Telephone Co.....							
Harvard Laundry Co.....							19.18
Woodward & Lothrop							71.41
Wilhalm Tatum Co.....							11.97
Arthur H. Thomas Co.....							63.70
John R. Mohlen.....							14.00
Rudolph West & Co.....							33.80
Chas. R. Edmonston.....							26.49
F. G. Schmitz & Co.....							21.11
Pirschberg & Murray.....							28.13
Edw. S. Schmid.....							17.20
Thos. Somerville & Sons.....							31.36
Wm. S. Mottson.....							19.50
Emil Grether.....							11.50
The G. J. Mettibio Co.....							16.00
Dulin & Martin Co.....							11.37
W. B. Moses & Sons.....							16.10
Warren M. Whyte.....							17.60
Rex Sanitary Appliance Co.....							16.80
Underwood Typewriter Co.....							12.00
E. Morrison Paper Co.....							10.50
Kenneth Betz.....							11.80
Copper bath and repairing							

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Fred A. Schmidt.....	7.10	Pens, holders, and wax.....
The Kny-Scheerer Co.....	9.00	Creolin.....
James B. Lambie Co. (Incorpo- rated.).....	6.62	Belting, zinc, and wire.....
J. J. Bishop & Co.....	6.87	Platinum wire.....
B. P. Wende.....	8.45	Sheep and crate.....
H. C. Niles.....	5.00	Chickens and coop.....
Wm. Krafft.....	5.50	Covers.....
Latz & Co.....	6.50	Repairing scales.....
Fred B. Miller & Bro.....	6.00	Eight-day clock.....
D. J. Kauffman.....	5.70	Surgeons' coats.....
Geo. F. Math & Co.....	4.24	Turpentine and ink.....
M. Du Perow.....	5.34	Batteries and receiver.....
Wm. H. Dyer.....	3.00	Medding.....
McCadley & McGill.....	2.50	Liquid gas.....
Bellevue Chemical Co.....	2.40	Blood stain.....
The Geo. W. Knox Express Co.....	2.20	Dryage.....
D. Frank Parker.....	2.00	Copyholder.....
James S. Topham.....	1.75	Razor strop.....
Barber & Ross.....	1.55	Brass, iron, and wire.....
Francis Miller.....	4.34	Window glass.....
The M. Lindsay Rubber Co.....	2.50	Rubber sheeting.....
Chas. Lenz & Sons.....	4.00	Sharpening knives.....
The Hub Envelope Mfg. Co.....	4.00	Special cartons.....
Kearney & Mattison Co.....	1.64	Pipe covering.....
K. P. Clarke Co.....	1.80	Sheeting.....
Densmore Typewriter Co.....	1.00	Rubber cover.....
Philip Lindemeyer.....	.90	Japanese tissue.....
J. T. Walker Sons.....	.86	Barrel of lime.....
I. P. Ross.....	.56	Freight.....
Andrus & Church.....	.80	Plotting paper.....
Gaylord Bros.....	.55	Adhesive paper.....
C. A. Muddiman & Co.....	.90	Mantles.....
J. Baumgarten & Sons.....	.74	Stencils.....
	\$21,948.50	\$1,019.71
		7,308.37

EXPERIMENTS IN ANIMAL NUTRI- TION.		
Henry P. Armsby .....	July 1, 1898	Expert in animal nutri- tion.....
J. August Fries .....	July 1, 1899	Expert assistant in ani- mal nutrition.....
T. M. Carpenter .....	Oct. 10, 1902	Assistant expert in ani- mal nutrition.....
John B. Robb .....		Assistant .....

<sup>a</sup> Per month.<sup>b</sup> Per hour.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Salaries.	Traveling.
EXPERIMENT STATION, BETHESDA, MD.							
W. E. Cotton	Expert assistant	June 1, 1903		\$1,600		\$1,600.00	
Taylor or Trice	July 1, 1898	July 1, 1898		720		720.00	
Herbert Henderson	Assistant messenger	Apr. 16, 1901		480		510.00	
Do.	Laborer	do		540		500.00	
John Richards	do	Jan. 1, 1896		590		720.00	
J. A. Moxley	do	July 1, 1900		a \$60.00		720.00	
Harry B. Myers	do	Aug. 1, 1902		a 60.00		720.00	
John W. Shipley	do	July 16, 1901		a 60.00		720.00	
Clayton M. Thomas	do	Ang. 1, 1902		a 60.00		720.00	
Wm. R. Poore	do	July 1, 1903		a 55.00		660.00	
Richard E. Seek	do	do		a 55.00		660.00	
Fritz Voigt	do	do		a 55.00		660.00	
Geo. M. Stadtler	do	do		a 50.00		600.00	
Frank Matthews	do	do		a 45.00		540.00	
Wm. T. Pugh	do	July 1, 1902		a 40.00		510.00	
Do.	do	Jan. 1, 1904		a 45.00		510.00	
August Voigt	do	July 1, 1902		a 40.00		480.00	
Do.	do	Jan. 1, 1904		a 45.00		480.00	
E. V. Caywood	do	Jan. 1, 1903		a 35.00		444.67	
Geo. F. Coleman	do	Jan. 1, 1904		a 40.00		480.00	
John Fletcher	do	July 1, 1903		a 40.00		480.00	
Wm. J. Kirby	do	do		a 40.00		480.00	
Wm. H. Pyles	do	July 1, 1902		a 40.00		480.00	
James Samuel	do	do		a 35.00		450.00	
Do.	do	Jan. 1, 1904		a 40.00		480.00	
Chas. Gingell	do	Nov. 11, 1902		a 30.00		390.00	
Do.	do	Jan. 1, 1904		a 35.00		420.00	
Frank Lancaster	do	July 1, 1903		a 35.00		420.00	
Jacob Leftwich	do	Jan. 1, 1903		a 35.00		420.00	
W. W. Lynch	do	July 1, 1903		a 35.00		420.00	
Robt. Blisborough	do	Mar. 28, 1904		a 30.00		6.38	
Wm. Drummonds	do	June 6, 1903		a 30.00		360.00	
Allen Holmes	do	Apr. 6, 1903		a 30.00		360.00	
Robt. Woodland	do	Apr. 13, 1903		a 30.00		336.52	
Leuty S. Depue	Feed					\$7,029.25	
Church & Stephenson	Lamb					468.70	
Geo. D. Markham	Cattle and hogs					661.25	
F. P. Shee	do					75.00	

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

Lewis Keiser .....	560.00	
Frank E. Heffner .....	40.00	
Mrs. Mamie Trice .....	21.25	
David Piffering .....	135.00	
A. Wilson & Bro .....	596.97	
The Chesapeake and Potomac Telephone Co. ....	314.22	
Rudolph, West & Co. ....	192.88	
Potomac Electric Power Co. ....	141.77	
Thos. Somerville & Sons .....	173.73	
Thomas R. Riley .....	113.90	
Lutz & Co . ....	109.06	
Z. D. Gilman .....	105.71	
William Lochte .....	92.67	
L. Leroy Lochte .....	96.95	
Remington Typewriter Co .....	92.25	
Geo. F. Muth & Co .....	80.53	
Mackall Bros. ....	64.83	
National Electric Supply Co .....	57.68	
E. C. Schroeder .....	92.32	
National Mortar Co .....	57.50	
Alex. St. John .....	48.00	
W. H. Coon .....	48.00	
Edw. S. Schmid .....	28.00	
The M. Lindsay Rubber Co .....	15.75	
L. G. Orndorff .....	24.60	
Francis Miller .....	25.58	
The Randal-Patchey Co .....	22.63	
E. G. Schafer & Co .....	17.35	
Jas. B. Lamb Co., Inc .....	11.04	
Arthur H. Thomas Co .....	12.65	
Woodward & Lothrop .....	11.38	
W. J. Brooke .....	10.50	
Jas. K. Proby .....	9.00	
Geo. N. Saegmuller .....	9.00	
E. Morrison Paper Co. ....	8.25	
M. G. Copeland Co. ....	6.82	
D. N. Walford .....	1.60	
F. W. Boigano & Co .....	6.80	
Mallinckrodt Chemical Works .....	3.51	
Queen & Co., Inc .....	7.71	
The Mathey Co., Inc .....	6.50	
Littlefield, Alvord & Co .....	6.00	
Barber & Ross .....	5.88	
Louis Hartig .....	3.96	
Henry Heil Chemical Co .....	.70	
	15,877.87	
	11,744.59	

<sup>a</sup> Per month.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellane-
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
DAIRY DIVISION.									
Edw. H. Webster.....	Inspector and dairy experimenter.	Mar. 1, 1903	Feb. 29, 1904	\$2,000	.....	.....	\$1,329.70	\$459.54	\$20.83
Wm. D. Collyer.....	Dairy inspector.....	do	.....	1,800	.....	.....	1,800.00	852.97	.....
M. W. Lang.....	do	do	.....	1,800	.....	.....	1,800.00	594.72	.....
B. F. Van Valkenburgh.....	do	do	.....	1,800	.....	.....	1,800.00	281.73	116.51
Levi Wells.....	do	do	.....	1,800	.....	.....	1,800.00	292.27	.....
G. M. Whitaker.....	do	do	.....	1,500	.....	.....	1,500.00	423.87	.....
W. D. McArthur.....	Nov. 1, 1903	.....	.....	.....	.....	.....	920.00	24.75	.....
E. A. McDonald.....	Mar. 1, 1903	.....	.....	.....	.....	.....	944.00	429.48	.....
James Hewes.....	Mar. 16, 1903	.....	.....	.....	.....	.....	1,044.00	373.47	.....
Wm. E. Smith.....	do	do	.....	6.00	.....	.....	1,080.00	51.62	.....
L. A. Rogers.....	Expert in dairy bacteriology.	July 1, 1902	.....	1,000	.....	.....	1,150.00	.....	.....
Do.	do	Oct. 1, 1903	.....	1,200	.....	.....	1,200.00	.....	.....
Duncan Stuart.....	Assistant in dairy division	Jan. 1, 1903	.....	1,200	.....	.....	1,200.00	16.70	.....
A. W. Bosworth.....	Cheese expert	Feb. 1, 1904	.....	a 75.00	.....	.....	75.00	375.00	.....
Charles Thom.....	do	Mar. 1, 1904	.....	a 75.00	.....	.....	75.00	285.48	.....
C. E. Gray.....	Special agent	July 16, 1903	Oct. 15, 1903	a 25.00	.....	.....	25.00	75.00	.....
Wm. H. Taylor.....	do	Apr. 1, 1903	Oct. 31, 1903	b 8.00	.....	.....	8.00	256.00	37.50
Cora M. Ridley.....	Charwoman	Apr. 1, 1902	.....	.....	360	.....	360.00	360.00	.....
J. H. Van Dyke.....	Laborer	July 1, 1902	.....	a 50.00	.....	.....	50.00	570.00	.....
Do	do	Oct. 1, 1903	.....	a 60.00	.....	.....	60.00	717.68	.....
Henry E. Alvord.....	Traveling expenses.	.....	.....	.....	.....	.....	.....	53.35	.....
C. B. Lane.....	do	.....	.....	.....	.....	.....	.....	13.08	.....
Harry Hayward.....	do	.....	.....	.....	.....	.....	.....	62.66	.....
Geo. P. McCabe.....	Transportation, Lang and Webster.	.....	.....	.....	.....	.....	.....	38.90	.....
Chicago, Rock Island and Pacific Rwy. Co.	Atchison, Topeka and Santa Fe Rwy. Co.	.....	.....	.....	.....	.....	.....	28.75	.....
Chicago and Northwestern Rwy. Co.	Union Pacific R. R. Co.	.....	.....	.....	.....	.....	.....	51.45	.....
Oregon Short Line R. R.	.....	.....	.....	.....	.....	.....	.....	18.00	.....
Louisville and Nashville R. R.	.....	.....	.....	.....	.....	.....	.....	16.75	.....
The Yazoo and Mississippi Valley R. R.	.....	.....	.....	.....	.....	.....	.....	14.05	.....
Galveston, Harrisburg and San Antonio Rwy.	.....	.....	.....	.....	.....	.....	.....	6.30	.....
The Pennsylvania R. R. Co.	Transportation, C. B. Lane.	.....	.....	.....	.....	.....	.....	14.25	.....

Burlington and Missouri River R. R. In Nebraska.	Transportation, E. H. Webster.....	21.86
Chicago, Burlington and Quincy Rwy. Co.	do.....	11.10
The Missouri Pacific Rwy. Co.	do.....	3.23
Michigan Central R. R.	Transportation, G. M. Rommel.....	5.00
Grand Trunk Rwy.	do.....	3.40
Kansas City Southern Rwy. Co.	Transportation, M. W. Lang.....	9.16
Southern Rwy. Co.	do.....	6.80
Henry E. Alford.	Miscellaneous expenses.....	76.48
W. I. Young & Co.	Butter	2,901.90
The Continental Creamery Co.	do.....	830.83
Hanford Produce Co.	Butter	10.92
Chas. M. Shank.	do.....	3.45
A. M. Lyman	do.....	11.02
Stephen Abbey.	do.....	6.00
Cornell University	do.....	7.83
Simpson, McEntire & Co.	do.....	4.80
Hampton Cooperative Creamery Co.	do.....	2.60
W. S. Goodhue	Rents in Chicago.....	600.00
John S. Martin & Co.	Rents in New York.....	504.00
Do.....	Cheese.....	12.54
A. B. Hangrave.	do.....	279.40
Merchants' Refrigerating Co. of New York.	Thermometers.....	120.00
The Draper Manufacturing Co.	Envelopes.....	70.60
U. S. Envelope Co.	do.....	15.40
Union Envelope Co.	Photographic supplies.....	43.62
Delano & Moore	Billitting apparatus.....	20.02
The Dairymen's Supply Co.	Lumber.....	20.00
Church & Stephenson	Export certificates.....	42.02
The Friedenwald Co.	Window glass.....	18.50
Francis Miller	Scale No. 397.....	1.86
Borden & Seleck Co.	Files and indexes.....	12.17
Yawman & Erbe Manufacturing Co.	Engravings.....	12.00
Scientific Engraving Co.	Worm-gear machine.....	12.00
R. L. Nichols	Drayage.....	4.12
The Geo. W. Knox Express Co.	Shades.....	4.10
J. H. Burnell & Co.	Lamp holder.....	1.40
National Electrical Supply Co.	Telegram.....	1.20
Chesapeake and Potomac Telephone Co.	Expressage.....	1.00
I. P. Roosa.	Electric current ink.....	.68
Potomac Electric Power Co.	Ink.....	.83
Geo. F. Muth & Co.	Crayons.....	.26
Fred A. Schmidt		
	18,289.18	6,937.99
		6,538.94

<sup>a</sup> Per month.<sup>b</sup> Per day.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

ANIMAL QUARANTINE STATIONS—BUREAU OF ANIMAL INDUSTRY

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Steny Wolny.....	do.....	1.75	Traveling expenses.....	10.25	14.35
D. B. Salmon.....	do.....				15.40
S. R. Burch.....	do.....				20.00
The Pennsylvania R. R. Co.....	do.....				.86
The David Henry Building Co.....	do.....				17,002.78
Estate of Cornelius Van Winkle.....	do.....				3,336.00
Conrad Ploch.....	do.....				117.85
The Anderson Lumber Co.....	do.....				311.28
S. M. Birch Lumber Co.....	do.....				26.90
R. J. O'Brien & Bros. Co.....	do.....				250.66
John Post.....	do.....				250.55
Charles Hubinger.....	do.....				221.84
The N. Y. and N.J. Telephone Co.....	do.....				117.85
R. W. Burrell.....	do.....				79.50
Doremus & Snyder.....	do.....				63.35
F. J. Marley.....	do.....				46.50
Quackenbush & Sons.....	do.....				41.35
John J. Slater.....	do.....				41.48
Campbell, Morrell & Co.....	do.....				39.74
W. G. Hemming & Son.....	do.....				37.00
Morris Miller.....	do.....				35.00
A. H. Post.....	do.....				31.65
Thomas McEwan & Sons.....	do.....				37.50
Geo. A. Myers & Co.....	do.....				20.00
W. M. Lawson.....	do.....				24.39
Biddell & Bogart Painters' Supply Co.....	do.....				24.18
Passaic Feed Co.....	do.....				19.86
P. V. R. Post.....	do.....				12.50
F. H. Crane.....	do.....				6.75
Milton P. Hayward.....	do.....				13.50
Kehoe Livery and Trucking Co.....	do.....				6.00
H. B. Kesse.....	do.....				5.15
M. G. Copeland Co.....	do.....				3.41
The J. A. Van Winkle Co.....	do.....				5.20
The Evening News Publishing Co.....	do.....				5.40
News Publishing Co.....	do.....				2.52
Wm. H. Wade.....	Mar., 9, 1893	900	Rent.....	900.00	24.96
The Real Estate and Improvement Co. of Baltimore.....	do.....		Repairs to windmill.....		225.00
Rawlings Implement Co.....	do.....		Traveling expenses.....		25.43
S. R. Burch.....	do.....				9.55
<i>Hatchope, Md.</i>					
Harry F. Hume.....	Aug. 11, 1902	720		718.10	
John Callahan.....	July 10, 1903	1.50		29.00	
<i>Litchfield, Mass.</i>					

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.

ANIMAL QUARANTINE STATIONS—BUREAU OF ANIMAL INDUSTRY—Continued.

## GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY.

CONTAGIOUS DISEASES INSPECTION.					
A. G. G. Richardson.....	Inspector.....				\$15.23
Do.....	do.....				\$25.80
Geo. S. Hickox.....	Ag't and expert.....				\$25.80
John Forbes.....	Inspector.....				\$25.80
John McBurney.....	do.....				\$25.80
A. A. Holcombe.....	do.....				\$25.80
Do.....	do.....				\$25.80
Harry B. Adair.....	do.....				\$25.80
Leslie J. Allen.....	do.....				\$25.80
Thos. A. Bray.....	do.....				\$25.80
Lowell Clarke.....	do.....				\$25.80
E. N. Hutchinson.....	do.....				\$25.80
Peter I. Kershner.....	do.....				\$25.80
John A. Kierman.....	do.....				\$25.80
John V. Laddey.....	do.....				\$25.80
Geo. A. Bond.....	do.....				\$25.80
Do.....	do.....				\$25.80
Oct. 1, 1899					\$616.20
July 1, 1903	1,800				800.00
Sept. 1, 1898	1,600				678.39
Jan. 3, 1904	1,600				800.00
Dec. 1, 1898	1,600				694.76
Jan. 1, 1903	1,500				750.00
May 1, 1904	1,600				750.00
Feb. 1, 1903	1,300				750.00
Jan. 1, 1903	1,500				750.00
May 1, 1903	1,500				750.00
Ap. 1, 1903	1,500				750.00
do.....	1,500				750.00
June 1, 1903	1,500				750.00
June 15, 1903	1,500				750.00
May 15, 1903	1,500				750.00
Mar. 1, 1903	1,500				750.00
Dec. 1, 1903	1,500				750.00
					51.50

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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C. H. Bugbee.....	do	700.00	565.00
Do.....	do	716.50	.....
Dean G. Cooper.....	do	700.00	331.50
Do.....	do	716.50	375.35
Roy N. Drake.....	do	951.30	42.71
Do.....	do	839.20	403.05
F. C. Bells.....	do	976.30	50.95
Do.....	do	708.50	268.30
W. P. Ellenberger.....	do	708.50	482.05
Do.....	do	942.80	201.55
D. C. Hannawalt.....	do	700.00	280.00
Do.....	do	700.00	287.25
F. W. Hopkins.....	do	700.00	85.25
Do.....	do	700.00	119.10
Walter E. Howe.....	do	700.00	541.95
Do.....	do	700.00	437.55
J. Otis Jacobs.....	do	700.00	153.80
Do.....	do	887.28	206.24
Louis A. Kent.....	do	819.20	61.34
Do.....	do	232.10	60.00
M. S. Lantz.....	do	700.00	147.80
Do.....	do	815.40	231.60
Louis Meissner.....	do	700.00	150.90
Do.....	do	700.00	184.25
Jos. W. Parker.....	do	133.12	.....
Do.....	do	701.30	275.82
Adolph J. Pistor.....	do	700.00	476.00
Do.....	do	700.00	363.50
Robt. A. Ramsay.....	do	934.60	146.94
Do.....	do	819.20	297.85
Hugh M. Rowe.....	do	700.00	328.40
Do.....	do	700.00	387.15
GEO. E. Totten.....	do	700.00	25.75
Do.....	do	129.31	82.84
A. H. Wallace.....	do	1,400	.....
Do.....	do	1,400	.....
G. W. Browning.....	do	1,400	.....
Emerson J. Cary.....	do	1,400	.....
W. S. Caiss.....	do	1,400	.....
C. A. Clawson.....	do	1,400	.....
Wm. R. Fleming.....	do	1,400	.....
E. J. Foreman.....	do	1,400	.....
A. R. Glaister.....	do	1,400	.....
Joseph M. Good.....	do	1,400	.....
H. J. Hammond.....	do	1,400	.....
John J. Hayes.....	do	1,400	.....
Willis B. Lincoln.....	do	1,400	.....
W. M. Mackellar.....	do	1,400	.....
W. H. Meadors.....	do	1,400	.....
I. W. O'Rourke.....	do	1,400	.....
Herman R. Ryder.....	do	1,400	.....
Wm. G. Shaw.....	do	1,400	.....
Aug. 3, 1903	Aug. 3, 1903	Aug. 3, 1903	Aug. 3, 1903

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Salaries.	Traveling.	Miscela-neous.
				Per diem.	Per annum.			
<b>CONTAGIOUS DISEASES INSPECTION—continued.</b>								
John A. Sloan	Inspector		June 16, 1902	\$1,400	.....	\$934.60	\$111.65	
Nathl. B. Smith	do	May 15, 1902	1,400	.....	700.00	300.10		
N. L. Townsend	do	Aug. 1, 1902	1,400	.....	700.00	63.75		
Robt. H. Treacy	do	Sept. 1, 1901	1,400	.....	700.00	277.20		
Thos. White	do	Mar. 1, 1902	1,400	.....	700.00	105.25		
Alex. E. Wright	do	Mar. 1, 1902	1,400	.....	464.20	169.50		
W. W. Worcester	do	Sept. 1, 1902	1,400	.....	700.00	256.75		
Henry C. Babcock	Assistant inspector	July 1, 1900	1,200	.....	115.40	.....		
Do.	Inspector	Sept. 1, 1903	1,400	.....	884.60	463.61		
F. W. Brewer	Assistant inspector	Oct. 1, 1902	1,200	.....	817.60	132.82		
Do.	Inspector	Oct. 1, 1903	1,400	.....	666.40	352.25		
John L. Burgett	Assistant inspector	June 18, 1901	1,200	.....	115.40	45.50		
Do.	Inspector	Feb. 1, 1904	1,400	.....	416.50	328.92		
H. H. Collins	Assistant inspector	May 24, 1902	1,200	.....	612.11	313.75		
Do.	Inspector	Sept. 1, 1903	1,400	.....	513.20	176.00		
Adolph Eichhorn	Assistant inspector	Mar. 26, 1901	1,200	.....	650.00	178.20		
Do.	Inspector	Apr. 1, 1904	1,400	.....	765.40	297.00		
Marion Imes	Assistant inspector	May 5, 1901	1,200	.....	431.00	108.10		
Do.	Inspector	Feb. 1, 1904	1,400	.....	400.00	34.55		
A. N. Irwin	Assistant inspector	Aug. 5, 1901	1,200	.....	98.90	17.45		
Geo. Jerome	Assistant inspector	Oct. 1, 1903	1,400	.....	600.00	166.20		
Do.	Inspector	Nov. 24, 1902	1,200	.....	498.90	77.15		
W. L. Johnson	Assistant inspector	Mar. 23, 1904	1,400	.....	397.80	159.95		
Do.	Inspector	May 23, 1901	1,200	.....	98.90	2.55		
Chas. A. McCall	Assistant inspector	Oct. 1, 1901	1,200	.....	598.90	260.24		
Do.	Inspector	Oct. 1, 1903	1,400	.....	600.00	207.55		
Theo. S. Rich	Assistant inspector	June 25, 1902	1,200	.....				
Do.	Inspector	Nov. 1, 1903	1,400	.....				
Stephen L. Blount	Assistant inspector	May 1, 1903	1,200	.....				
Walter C. Bowler	do	Feb. 17, 1903	1,200	.....				
A. T. Coleman	do	June 15, 1903	1,200	.....				
W. F. Crewe	do	Sept. 25, 1900	1,200	.....				
Jas. W. Denning	do	June 1, 1901	1,200	.....				
Jas. E. Ellis	do	Mar. 12, 1903	1,200	.....				
Timothy C. Hay	do	June 17, 1903	1,200	.....				
Wm. L. Hiatt	do	Nov. 1, 1902	1,200	.....				
W. H. Hurst	do	Jan. 24, 1903	1,200	.....				

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Miscella-neous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	
<b>CONTAGIOUS DISEASES INSPECTION—continued.</b>								
Wm. C. Honan.....	Stock examiner.....	May 1, 1897		\$900				\$375.00
R. G. Merrill.....	do.....	Mar. 1, 1903		900				450.00
H. L. Newton.....	do.....	Nov. 8, 1894		900				74.20
H. L. Rieman.....	do.....	Feb. 18, 1896		900				146.72
J. F. Schiermann.....	do.....	Apr. 1, 1897		900				600.80
Jos. M. Turner.....	do.....	Mar. 10, 1896		900				526.60
Edw. O. Speake.....	Clerk.....	Feb. 1, 1901		900				74.20
Do.....	do.....	Aug. 1, 1901		840				489.20
Geo. M. Bettis.....	Tagger.....	Nov. 1, 1903		900				560.70
Geo. E. Butin.....	Stock examiner.....	May 1, 1903		840				74.20
Do.....	Tagger.....	Oct. 24, 1901		720				74.20
Wm. A. Fry.....	Stock examiner.....	May 16, 1904		900				74.20
Do.....	Tagger.....	Nov. 5, 1901		720				74.20
E. T. Ailingham.....	Stock examiner.....	Apr. 16, 1904		900				74.20
Henry Burke.....	Tagger.....	Mar. 24, 1904		720				59.30
Wm. J. Doyle.....	do.....	July 6, 1903		720				59.30
Jas. A. Flanagan.....	do.....	Feb. 15, 1895		720				362.50
Morton Hattery.....	do.....	Mar. 23, 1895		720				240.00
Wm. H. Hyde.....	do.....	Mar. 2, 1903		720				421.30
M. Justinger.....	do.....	Feb. 12, 1904		720				59.30
Albert R. Koen.....	do.....	July 1, 1893		720				240.00
John E. Lynch.....	do.....	Sept. 12, 1902		720				121.20
Huitt H. Nutter.....	do.....	Feb. 2, 1903		720				409.51
John E. Potter.....	do.....	July 6, 1903		720				197.61
H. R. Schuyler.....	do.....	July 2, 1903		720				238.70
E. L. Sturdevant.....	do.....	Mar. 22, 1904		720				68.30
John H. Webster.....	do.....	Feb. 2, 1903	Feb. 2, 1904	720				117.34
Isaac H. Wright.....	do.....	Mar. 2, 1896		720				241.30
Geo. H. Glover.....	do.....	Apr. 16, 1904		720				59.30
Hiram Grable.....	Expert investigator.....	June 16, 1904		a \$150.00				75.00
C. Loveberry.....	Laborer.....	Sept. 1, 1896		b 2.00				246.00
F. D. Ketchum.....						Traveling expenses		99.74
Geo. P. McCabe.....						do		17.65
M. M. Welch.....						do		73.20
F. R. Eagle.....						do		6.50
O. B. Hess.....						do		6.00
						do		4.50

J. F. Hughes .....	2.35	
E. C. Joss .....	1.50	
Southern Rwy. Co.....	216.27	
Nashville, Chattanooga and St. Louis Rwy. ....	7.40	
Chicago and Northwestern Rwy. Co. ....	139.40	
The Pennsylvania R. R. Co. ....	78.00	
Chicago, Burlington and Quincy Rwy. Co. ....	37.05	
Pullman Co. ....	21.50	
Burlington and Missouri River R. R. in Nebraska. ....	131.55	
Union Pacific R. R. Co. ....	80.35	
Louisville and Nashville R. R. Co. ....	63.00	
Denver and Rio Grande R. R. Co. ....	61.50	
New York Central and Hudson River R. R. Co. ....	63.75	
Oregon Short Line R. R. ....	16.30	
Baltimore and Ohio R. R. ....	27.00	
St. Louis and San Francisco R. R. Co. ....	23.50	
New York, New Haven and Hartford R. R. ....	37.75	
The Wabash R. R. Co. ....	23.50	
Atlantic Coast Line R. R. ....	13.75	
Cincinnati, New Orleans and Texas Pacific Rwy. Co. ....	4.50	
Southern Pacific Co. ....	44.75	
The Missouri Pacific Rwy. Co. ....	13.95	
Chicago, Milwaukee and St. Paul Rwy. ....	5.80	
Great Northern Rwy. Co. ....	6.53	
Old Dominion S. S. Co. ....	3.35	
W. S. Cass. ....	9.00	
R. G. Merrill ....	204.00	
Aug. C. Jens. ....	150.00	
J. W. Davis ....	126.00	
Louis A. Klein ....	225.00	
Thos. A. Bayay ....	225.00	
Wm. D. Jorden ....	180.00	
F. Auerbach & Bro. ....	135.00	
The Kansas City Stock Yards Company of Missouri. ....		

<sup>a</sup> Per month.

*Statement of Disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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#### GENERAL EXPENSES—BUREAU OF ANIMAL INDUSTRY—Continued.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

Name.	Designation.	Appointed.	Services ended.	Compensation.		Salaries:	Traveling.	Miscella-neous.
				Per diem.	Per annum.			
<b>CONTAGIOUS DISEASES OF HORSES—continued.</b>								
Kate Holly Breath				1 mare		\$20.00		
Cathrine Grand				do		17.50		
Black Red Cloud				do		17.50		
John Eagle Louse				do		17.00		
Chas. Wooden Leg				do		15.00		
Johnson Bros.				do		15.00		
Bert Loomer				do		15.00		
T. A. Carlson				do		15.00		
John Zieckrik				do		15.00		
White Horse				do		15.00		
Whirlwind Horse				do		15.00		
Her Plenty Horses				do		10.00		
J. M. Brown				Saddle horse		45.00		
J. H. Matthews				Stallion		25.00		
Wilcox & Harvey Manufacturing Co.				Markers and punchers		13.75		
						\$5,057.10	\$1,096.12	1,499.00
<b>1900 CHOLERA SERUM EXPERIMENTS.</b>								
W. B. Niles	Inspector	Oct. 1, 1901		\$1,600	...	1,068.20	99.99	171.72
John M. Day		Jan. 1, 1903		1,500	...	1,001.30	257.99	57.35
J. J. Baggett		June 12, 1902		\$2,60	...	615.00		
M. L. Byrd	laborer	May 22, 1901		2.50	...	122.50		
M. M. Chambers		do		2.50	...	122.50		
S. N. Heaton		Apr. 25, 1900		2.50	...	107.50		
Thos. McMahon		May 22, 1901		2.50	...	105.00		
A. A. Timson		Apr. 25, 1900		2.50	...	125.00		
Henry Towns		do		2.50	...	97.50		
James Copeland		do		2.00	...	464.00	14.70	
Chesapeake and Ohio Ry. Co.		Oct. 10, 1901		2.00	...	Transportation, Copeland	30.15	254.00
Lewis Keiser						Horse,		160.00
George J. Martin						Pigs		154.80
A. A. Timson						do		78.25
Joseph Hunt						do		52.00
T. E. James						do		

## IMPORT CATTLE INSPECTION—BUREAU OF ANIMAL INDUSTRY.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

IMPORT CATTLE INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellane-	Travel-
				Per diem.	Per annum.		
<b>CANADIAN INSPECTION—cont'd.</b>							
L. A. Robinson.....						Traveling expenses .....	\$10.70
B. P. Wende.....						do .....	5.10
G. A. Harvey, Jr.....						do .....	2.15
N. Y. C. & H. R. R. Co.....						Transportation, Mayne .....	29.50
<i>Inspections in Great Britain.</i>							
Toote A. Geddes.....	Special inspector.	June 1, 1903		\$2,500		\$2,500.00	\$25.90
Do.....					Travel and miscellaneous ex-	661.70	
					penses.		
						12,909.13	1,999.64
							25.90

EXPORT CATTLE INSPECTION—BUREAU OF ANIMAL INDUSTRY.

<i>Baltimore, Md.</i>							
H. A. Hodrick .....	Inspector.....	July 16, 1893		\$1,600		\$1,600.00	\$16.50
Isaac L. Ball .....	Clerk .....	Dec. 1, 1892		1,200		1,200.00	
Wm. J. Sullivan .....	Tagger .....	Aug. 14, 1893		720		817.88	
Do .....	Stock examiner .....	Dec. 16, 1893		900			
Wm. Bennett .....	Tagger .....	Apr. 16, 1893		720		720.00	
Jos. E. Blondell .....	do .....	do .....		720		720.00	
Chas. Wisenreick .....	do .....	Mar. 15, 1894		720		720.00	
H. A. Hodrick .....					Hire horse and buggy .....		44.00
N. Rufus Gill .....					Office rent .....		125.00
Maryland Telegraph and Telephone Co. ....					Telephone service .....		47.47
The Chesapeake and Potomac Telephone Co. ....					do .....		33.60
J. R. M. Adams .....					Steel tape line .....		2.50
<i>Boston, Mass.</i>							
James F. Ryder .....	Veterinary inspector .....	Oct. 1, 1892				600.00	17.07
Rice P. Sleddon .....	Inspector .....	Apr. 1, 1903				749.90	
T. W. Carnahan .....	do .....	do .....				1,500	81.85

P. H. Mullowney	do	876.40
H. Q. Thompson	do	1,500
Thomas Coyle	Vessel inspector	1,500
Cyrus K. Small	Clerk	251.40
Frank P. Nowlan	Stock examiner	817.90
L. L. Bullard	Tagger	1,400
F. H. Burleigh	do	1,200
Walter H. Hersey	do	900
C. B. Hutchinson	do	226.60
The Cunard Steamship Co. (ltd.)	do	188.70
Trustees of the Milk Street Trust	do	226.60
Geo. E. Francis	do	420.60
New England Telegraph and	do	315.77
Telephone Co.	do	90.00
Danforth & Co	do	106.00
Boston Ice Co	do	63.00
<i>Buffalo, N. Y.</i>		
Bernard P. Wende	Inspector	1,600
W. N. D. Bird	do	1,600
Do	do	1,400
Benj. Howes	do	1,500
J. P. O'Leary	do	1,500
L. A. Robinson	do	1,500
Harry M. Ball	do	1,500
C. O. Durfee	do	1,500
H. R. Ryder	do	1,500
E. L. Volgenau	do	1,500
S. Somerville, jr	Assistant inspector	1,500
Wm. G. Wootton	do	1,500
Albert H. Hoyt	do	1,500
H. L. Rieman	do	1,500
Chas. W. Page, jr.	do	1,500
E. Buffalo Live Stock Exchange	do	1,500
Co.	do	1,500
The Bell Telephone Co. of Buffalo	do	1,500
Fowler Mfg. Co., Ltd.	do	1,500
<i>Chicago, Ill.</i>		
James Fleming	Inspector	1,500
Max Wolf	Clerk	1,500
Ardia Watson	Live-stock agent	1,000
Dighton Granger	Stock examiner	900
Jere Holland	do	900
De L. Howard	do	900
M. J. Quirk	do	900
P. H. Griffin	Tagger	900
M. M. Murray	do	900
P. F. Riobrd, Walsh	do	720
J. C. Whitney	do	720
Oct.		
Mar. 31, 1904		

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

**EXPORT CATTLE INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.**

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
Chicago, Ill.—Continued.							
Union Stock Yards and Transit Co.							
O. E. Dyson . . . . .							
New York, N. Y.							
W. H. Rose . . . . .	Inspector	June 1, 1903		\$2,250		\$2,250.00	
Henry Brister . . . . .	do	Apr. 15, 1903		1,500		1,500.00	
Thomas Castor . . . . .	do	Jan. 1, 1903		1,500		1,500.00	
Sam'l. G. Hendren . . . . .	do	Mar. 1, 1901		1,400		1,400	
Do . . . . .	do	Nov. 1, 1903		1,500		1,500	
James Flannery . . . . .	Vessel inspector	Feb. 1, 1900		1,200		1,200	
Jos. P. McElaney . . . . .	Clerk	Sept. 1, 1893		1,200		1,200	
S. Royden Burch . . . . .	Special agent	June 9, 1902		1,000		1,000	
Wm. Foley . . . . .	Stock examiner	Jan. 1, 1894		1,000		1,000	
Chas. F. Cramer . . . . .	do	Oct. 1, 1901		900		900	
Geo. Messemer . . . . .	Tagger	Sept. 16, 1903		720		720	
Do . . . . .	Stock examiner	Jan. 16, 1904		900		900	
Geo. E. Schumacher . . . . .	Tagger	Feb. 6, 1896		720		720	
Do . . . . .	Stock examiner	Jan. 1, 1904		900		900	
Guy A. Sharp . . . . .	Tagger	Jan. 28, 1901		720		720	
Do . . . . .	Stock examiner	Jan. 1, 1904		900		900	
James Stikeman . . . . .	Stock examiner	Jan. 1, 1904		900		900	
New York Telephone Co . . . . .							
Weehawken Stock Yard Co . . . . .							
New York and New Jersey Telephone Co . . . . .							
R. P. Coady . . . . .							
Philadelphia, Pa.							
George Carter . . . . .	Vessel inspector	Feb. 1, 1900		\$2.00		1,200.00	
John Biehl . . . . .	Laborer	Feb. 15, 1901				144.00	
Chas. A. Schaufler . . . . .							203.05
The Bell Telephone Co., of Philadelphia . . . . .							80.00

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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<i>Pittsburg, Pa.</i>	F. W. Ainsworth .....	Inspector.....	Apr. 1, 1893	1,500	1,500.00	15.72
	W. O. McHugh .....	Assistant inspector.....	May 10, 1902	1,200	798.90	
	Robt. W. Culbert .....		Sept. 18, 1903	720	506.81	
	Wm. Miller .....		Sept. 9, 1900	2.00	11.00	
	Tagger .....		Oct. 9, 1895	2.00	1.00	
	Laborer .....					75.00
	do .....	Office rent .....				
<i>Portland, Me.</i>	F. W. Huntington .....	Inspector.....	June 1, 1896	1,200	1,200.00	2.00
	F. W. Sergeant .....	Laborer .....	Dec. 1, 1896	2.00	580.00	
	Grand Trunk Rwy. System .....					130.00
	New England Telegraph and Telephone Co. ....	Telephone .....				50.00
<i>Norfolk, Va.</i>	Geo. C. Faville .....	Inspector.....	Feb. 1, 1899	1,600	1,600.00	71.55
	Sol. Miller .....	Stock examiner .....	May 1, 1894	1,000	1,000.00	
	do .....	do .....	Oct. 1, 1901	900	900.00	
	Walter E. Stoner .....					
	T. F. Rogers, agent .....	Rent .....				210.00
<i>Great Britain.</i>	Wm. H. Wray .....	Veterinary inspector .....	Feb. 1, 1894	12.50	4,576.00	105.72
	Jas. F. Kyder .....	do .....	Oct. 1, 1892	2,000	\$152.77	
	Jas. Johnston .....	do .....	Apr. 1, 1903	1,500	240.00	
	Caroline Burnaby .....	Clerk .....	Oct. 15, 1900	Oct. 31, 1903	750.00	20.50
	Wm. H. Wray .....		a 40.00		160.00	
	Phibbs, Gibson & Co .....					
	White Star Line .....					
<i>Miscellaneous.</i>	M. E. Knowles .....	Inspector .....	July 10, 1901	4.00	Traveling expenses .....	20.00
	Wm. C. Siegmund .....				do .....	55.50
	A. G. Richardson .....				do .....	62.94
	E. L. Volgenau .....				do .....	16.38
	Edw. K. Ward .....				do .....	8.95
	L. K. Green .....				do .....	5.53
	R. W. Hickman .....				do .....	4.25
	R. P. Steddon .....				do .....	3.20
	New Orleans and Northeastern R. Co. ....					18.10
	Chicago Car Seal and Manufacturing Co. ....					
	Wm. E. Pratt .....					
	Geo. E. Howard .....					
	Wm. J. Crawford .....					
	Tin tags .....					657.30
	Hog rings and ringers .....					557.45
	Export certificates .....					30.00
	Hauling .....					1.20

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

EXPORT CATTLE INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

**MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY.**

Chicago, Ill.	Inspector	\$75.02
O. E. Dyson.....	Sept. 15, 1902	\$2,250
Do.....	Oct. 1, 1903	2,500
S. W. Burt .....	do.....	1,600
Do.....	Dec. 15, 1900	1,600
Morris Wooden.....	Dec. 1, 1903	1,800
O. J. Lanigan.....	Mar. 16, 1899	1,800
John C. Miles.....	Jan. 16, 1897	1,600
Wm. H. Smith, jr.....	May 24, 1901	1,600
Do.....	Nov. 1, 1902	1,500
L. Enos Day.....	Dec. 1, 1903	1,600
W. A. Savage.....	Apr. 1, 1903	1,600
Wm. C. Siegmund.....	Mar. 16, 1903	1,500
W. J. Stewart.....	May 1, 1903	1,500
Frank S. Tufts.....	Dec. 1, 1902	1,300
Ira K. Atherton.....	May 1, 1903	1,500
Do.....	Sept. 1, 1898	1,400
O. G. Atherton.....	Oct. 1, 1903	1,500
Do.....	Feb. 1, 1900	1,400
Wm. A. Brueck.....	Oct. 1, 1903	1,300
Do.....	July 1, 1896	1,400
	Oct. 1, 1903	1,500

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Herman Busman	do	1,466.50
Do.....	do	1,500
J. G. Fish	do	1,101.30
Do.....	do	1,400
H. W. Hawley	do	1,500
Do.....	do	1,400
James G. Hope	do	1,500
Do.....	do	1,400
Geo. A. Lytle	do	1,475.00
Do.....	do	1,500
M. T. Naughton	do	1,400
Do.....	do	1,500
Don W. Paton	do	1,400
Do.....	do	1,500
E. L. Siggins	do	1,425.00
Do.....	do	1,400
E. L. Bertram	do	1,441.50
A. M. Casper	do	1,400
Louis P. Cook	do	1,400
W. I. Dillingham	do	1,400
Arthur C. Hart	do	1,400
Harry G. Moore	do	1,400
Thos. J. Rice	do	1,400
Burton R. Rogers	do	1,400
S. H. Caldwell	do	1,400
Do.....	do	1,400
Joel E. Clond	do	1,400
Do.....	do	1,400
H. H. Cohenour	do	1,400
Do.....	do	1,400
Hazen H. Hicks	do	1,400
Robert Jay	do	1,400
Do.....	do	1,400
Chas. B. Potter	do	1,400
Do.....	do	1,400
Alex. C. Walls	do	1,400
Do.....	do	1,400
Clayton R. Behler	do	1,400
Willis G. Benner	do	1,400
Jacob S. Berner	do	1,400
Wm. J. Bracken	do	1,400
J. C. Burneson	do	1,400
George E. Frye	do	1,400
Floyd A. Gibbs	do	1,400
Timothy C. Hays	do	1,400
Hannes Hela	do	1,400
J. J. L. Heldring	do	1,400
E. P. Henderson	do	1,400
Fred E. Johnson	do	1,400
Philip K. Jones	do	1,400
D. S. Kanstrooom	do	1,400
Aug.	28, 1904	1,400

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Disbursements.			Traveling.	Miscellaneous.
				Compensation. Per diem	Per annum.	Miscellaneous items.		
<i>Chicago, Ill.—Continued.</i>								
John W. Kaull	Assistant inspector	Apr. 1, 1904	Apr. 4, 1904	\$1,200	.....	.....	.....	.....
Alfred E. Lunts	do	Jan. 22, 1903	.....	1,200	.....	.....	.....	.....
Jens Madsen	do	Aug. 15, 1902	.....	1,200	.....	.....	.....	.....
Wm. J. Muldown	do	Dec. 15, 1902	.....	1,200	.....	.....	.....	.....
Amos F. Nelson	do	Oct. 24, 1902	.....	1,200	.....	.....	.....	.....
Louis A. Nutting	do	Aug. 22, 1901	.....	1,200	.....	.....	.....	.....
Geo. M. Odis	do	June 16, 1903	.....	1,200	.....	.....	.....	.....
Fredk. Priest	do	Dec. 5, 1902	Apr. 16, 1904	1,200	.....	.....	.....	.....
Chas. A. Raque	do	Dec. 15, 1902	.....	1,200	.....	.....	.....	.....
John F. Roe	do	do	May 1, 1903	1,200	.....	.....	1,200	.....
W. Schumacher	do	do	Feb. 12, 1903	1,200	.....	.....	202	20
George A. Scott	do	do	May 23, 1901	1,200	.....	.....	1,200	00
John M. Simpson	do	do	Sept. 1, 1903	1,200	.....	.....	997	80
Fred. Stiehle	do	do	Dec. 5, 1902	1,200	.....	.....	95	60
Wm. B. Trenbeth	do	do	Nov. 27, 1903	1,200	.....	.....	984	78
Bill D. Way	do	do	June 1, 1904	1,200	.....	.....	900	00
Herman Wellner	do	do	Aug. 5, 1901	1,200	.....	.....	714	14
Wm. L. West	do	do	June 1, 1902	1,200	.....	.....	98	90
Horace G. Arnold	Clerk	do	Aug. 10, 1903	1,000	.....	.....	287	36
Do.	do	do	Aug. 15, 1901	840	.....	.....	989	19
Jno. N. Fitzgerald	do	do	Aug. 10, 1903	1,000	.....	.....	887	54
Do.	do	do	Aug. 4, 1902	900	.....	.....	989	19
A. Hostetler	do	do	Aug. 10, 1903	1,000	.....	.....	1,000	00
E. B. Luce	do	do	Feb. 1, 1896	1,000	.....	.....	84	20
J. J. O'Malley	do	do	Aug. 16, 1901	1,000	.....	.....	1,000	00
Chas. S. Pew	do	do	Dec. 15, 1893	1,000	.....	.....	1,000	00
Irving W. Pew	do	do	Jan. 1, 1890	1,000	.....	.....	247	20
Chas. W. Philpot	do	do	July 21, 1899	1,000	.....	.....	1,000	00
Leroy Scribner	do	do	Dec. 1, 1900	1,000	.....	.....	500	00
S. H. Tourtellotte	do	do	Jan. 10, 1898	1,000	.....	.....	1,000	00
Chas. O. McDonald	Stock examiner	do	July 1, 1902	900	.....	.....	717	03
Do.	Clerk	do	Oct. 1, 1903	900	.....	.....	900	00
Jacob K. Skinner	Stock examiner	do	June 1, 1897	900	.....	.....	747	99
Norman R. Adams	Field stock examiner	do	Nov. 1, 1896	1,000	.....	.....	1,000	00
Do.	Field stock examiner	do	May 1, 1904	1,000	.....	.....	160	80
John C. Massie	Stock examiner	do	June 15, 1903	1,000	.....	.....	900	00
Do.	Field stock examiner	do	Jan. 1, 1904	1,000	.....	.....	39	00
			Feb. 1, 1904	1,000	.....	.....		

W. S. Peacock .....	Stock examiner.....	Aug. 1, 1895	749.20
Do.....	Field stock examiner.....	May 1, 1904	900
Wm. Proudfoot.....	do.....	June 15, 1903	1,000
Do.....	Stock examiner.....	Nov. 1, 1893	1,000
E. W. Barthold.....	Field stock examiner.....	July 1, 1902	900
George Best.....	do.....	Jan. 1, 1894	900
Clark C. Bone.....	do.....	June 1, 1898	900
R. A. Broadhurst.....	do.....	Feb. 1, 1901	900
H. D. Burdick.....	do.....	Jan. 8, 1894	900
John W. Burton.....	do.....	June 1, 1903	900
Thos. G. Clark.....	do.....	Jan. 1, 1894	900
F. C. Cooley.....	do.....	Nov. 1, 1895	900
Jas. J. Duffy.....	do.....	Jan. 1, 1894	900
David S. Farley.....	do.....	Apr. 6, 1899	900
Arch'd L. Faunce.....	do.....	Mar. 16, 1901	900
Frank J. Fess.....	do.....	June 1, 1903	900
David Frisch.....	do.....	Jan. 1, 1894	900
Thos. R. Fugit.....	do.....	May 1, 1899	900
James Gardner.....	do.....	June 27, 1895	900
Henry Grady.....	do.....	do.....	900
Thos. F. Hanley.....	do.....	June 24, 1895	900
Geo. T. Hanton.....	do.....	Oct. 19, 1903	900
Wm. Harpst.....	do.....	June 27, 1895	900
Jas. Herriman.....	do.....	do.....	900
Wm. P. Hickey.....	do.....	Feb. 1, 1901	900
Wm. C. Honan.....	do.....	Feb. 15, 1894	900
Dennis Harley.....	do.....	May 1, 1897	900
Jos. F. Jordan.....	do.....	Aug. 1, 1895	900
John F. Kelly.....	do.....	Jan. 1, 1894	900
Julius Kidder.....	do.....	June 30, 1895	900
P. Kochanowski.....	do.....	Sept. 1, 1898	900
Otto D. Kortz.....	do.....	Jan. 1, 1894	900
Geo. Lunham.....	do.....	June 27, 1895	900
Bridh. E. Lyman.....	do.....	Jan. 1, 1894	900
Abram M. Manny.....	do.....	Apr. 23, 1894	900
J. J. Molloy.....	do.....	July 27, 1897	900
Jas. A. Murphy.....	do.....	June 27, 1896	900
John Murphy.....	do.....	Jan. 1, 1894	900
Terence O'Brien.....	do.....	Feb. 15, 1894	900
Thos. O'Shaughnessy.....	do.....	do.....	900
G. W. Pierce.....	do.....	Jan. 8, 1894	900
John J. Ryan.....	do.....	July 28, 1903	900
Jno. W. Sarsfield.....	do.....	Jan. 1, 1894	900
Casper J. Schmitt.....	do.....	Feb. 1, 1903	900
Frank Schroeder.....	do.....	June 27, 1895	900
F. L. Simpson.....	do.....	do.....	900
Sam'l. T. Smith.....	do.....	Jan. 16, 1894	900
John P. Smith.....	do.....	Jan. 1, 1899	900
Thos. J. Wade.....	do.....	July 1, 1896	900
F. D. Waterman.....	do.....	Jan. 15, 1896	900
H. B. Weller.....	do.....	Feb. 1, 1896	900

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Disbursements.		Salaries.	Traveling.	Miscellaneous.
				Compensation.	Miscellaneous items.			
<i>Chicago, Ill.—Continued.</i>								
H. D. Williams.....	Stock examiner.....		June 27, 1895	\$900	.....	.....	.....	.....
Geo. W. Wood.....	do.....	Nov. 1, 1895	900	.....	.....	.....	.....	.....
Theo. B. Zuerdel.....	do.....	do.....	900	900	900	900.00	900.00	900.00
F. P. Herron.....	Tagger.....	June 27, 1895	720	.....	.....	900.00	900.00	900.00
Do.....	Stock examiner.....	May 16, 1904	900	.....	.....	382.73	382.73	382.73
Geo. E. Aquia.....	Tagger.....	May 4, 1899	720	.....	.....	892.68	892.68	892.68
Do.....	Stock examiner.....	May 16, 1903	900	.....	.....	720	720	720
Thos. H. Jones.....	Tagger.....	July 16, 1903	720	.....	.....	742.73	742.73	742.73
Do.....	Stock examiner.....	Oct. 1, 1901	900	.....	.....	720	720	720
A. J. McFarland.....	Tagger.....	May 16, 1904	900	.....	.....	720	720	720
Do.....	Stock examiner.....	Oct. 7, 1901	900	.....	.....	720	720	720
H. S. Newlove.....	Tagger.....	May 16, 1904	900	.....	.....	900	900	900
Do.....	Stock examiner.....	Jan. 1, 1897	900	.....	.....	720	720	720
Chas. F. Rock.....	Tagger.....	Oct. 1, 1903	900	.....	.....	900	900	900
Do.....	Stock examiner.....	July 25, 1901	720	.....	.....	900	900	900
Alvin R. Scott.....	Stock examiner.....	June 1, 1904	900	.....	.....	720	720	720
Do.....	Tagger.....	Aug. 1, 1901	900	.....	.....	900	900	900
Thomas A. White.....	Stock examiner.....	May 16, 1904	900	.....	.....	720	720	720
Do.....	Stock examiner.....	June 24, 1895	900	.....	.....	900	900	900
Gilbert R. Brewer.....	Stock examiner.....	June 1, 1901	900	.....	.....	720	720	720
Virgil L. Brown.....	Tagger.....	May 16, 1904	900	.....	.....	900	900	900
L. A. Cambridge.....	Stock examiner.....	Feb. 23, 1903	720	.....	.....	720	720	720
John E. Cashman.....	do.....	Oct. 1, 1901	900	.....	.....	720	720	720
Geo. T. Casper.....	do.....	Mar. 19, 1902	720	.....	.....	720	720	720
Wm. D. Clark.....	do.....	Oct. 14, 1897	720	.....	.....	720	720	720
Wm. Cleveland.....	do.....	Jan. 1, 1892	720	.....	.....	720	720	720
Gilbert T. Creech.....	do.....	Jan. 23, 1903	720	.....	.....	720	720	720
Howard H. Dalzell.....	do.....	May 10, 1904	720	.....	.....	102.82	102.82	102.82
Wm. E. Danaher.....	do.....	Nov. 10, 1899	720	.....	.....	621.15	621.15	621.15
Fred C. Dauncay.....	do.....	Oct. 5, 1903	720	.....	.....	441.20	441.20	441.20
Jas. A. Flanagan.....	do.....	May 23, 1895	720	.....	.....	422.00	422.00	422.00
M. R. Fleicher.....	do.....	Jan. 1, 1903	720	.....	.....	1.95	1.95	1.95
James Foley.....	do.....	July 17, 1893	720	.....	.....	720.00	720.00	720.00
John H. Fols.....	do.....	May 4, 1904	720	.....	.....	114.68	114.68	114.68
Albert W. Ford.....	do.....	Nov. 10, 1899	720	.....	.....	717.12	717.12	717.12
Wm. Fox.....	do.....	Feb. 1, 1894	720	.....	.....	720.00	720.00	720.00
Walter C. Frick.....	do.....	July 5, 1902	720	.....	.....	716.20	716.20	716.20
John J. Garrity.....	do.....	Sept. 1, 1893	720	.....	.....	720.00	720.00	720.00
Edw. R. Graham.....	do.....	Nov. 7, 1902	720	.....	.....	720	720	720

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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*Statement of Disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## **MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.**

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellane-	Travel-	Disbursements.
				Per diem.	Per annum.			
<i>Kansas City, Kans. and Mo.—Continued.</i>								
Edgar N. Stout	Assistant inspector	Sept. 15, 1902		\$1,200				\$1,183.50
Z. Veldhuis	do	Sept. 1, 1903		1,200				238.47
Fred W. Weston	do	Aug. 8, 1903		1,200				77.16
Frank L. Winant	do	June 1, 1902		1,200				1,200.00
Moses W. Gaines	Clerk	May 15, 1903		900				900.00
Hiram G. Herrick	do	Nov. 15, 1900		900				860.42
I. N. Vance	do	Feb. 1, 1896		900				900.00
George D. Young	Stock examiner	Nov. 15, 1902		900				900.00
Alfred L. Bailey	Field stock examiner	Apr. 1, 1903		1,000				675.00
Do.	Stock examiner	Apr. 1, 1904		1,000				675.00
L. S. Campbell	Field stock examiner	Feb. 1, 1901		1,000				675.00
Do.	Field stock examiner	Apr. 1, 1904		1,000				675.00
M. A. Farley	do	June 15, 1903		1,000				747.32
R. E. I. Jackson	Stock examiner	Sept. 15, 1903		900				675.00
Do.	do	Nov. 19, 1894		900				136.99
C. E. Moss	Field stock examiner	Apr. 1, 1904		1,000				450.00
Do.	do	June 15, 1903		900				450.00
Henry Singleton	Stock examiner	Nov. 1, 1903		900				900.00
Do.	do	Feb. 1, 1901		1,000				900.00
Charles Adams	Field stock examiner	Apr. 1, 1904		900				900.00
Jos. G. Beattie	Stock examiner	May 1, 1896		900				900.00
E. W. Bell	do	July 1, 1902		900				900.00
C. E. Blachman	do	May 1, 1896		900				900.00
Edw. A. Bundy	do	Feb. 1, 1898		900				900.00
Wm. Burgess	do	Feb. 1, 1901		900				900.00
Oliver W. Byrd	do	May 1, 1896		900				900.00
Geo. T. Cathel	do	Aug. 1, 1898		900				900.00
T. B. Cracraft	do	Feb. 12, 1894		900				225.00
B. Cunningham	do	May 1, 1903		900				900.00
Josiah D. Flora	do	Aug. 15, 1902		900				900.00
Albert Fowkes	do	May 16, 1896		900				900.00
Geo. A. Franklin	do	June 6, 1903		900				867.52
H. D. Freeman	Oct. 1, 1895			900				900.00
Wm. B. Garlick	do	June 1, 1902		900				900.00
Washington Gobbie	do	Feb. 15, 1894		900				900.00
Frank Jelen	do	Apr. 1, 1896		900				900.00
M. J. Madden	do	May 1, 1896		900				900.00

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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T. A. McLeland .....	do	.....	895.03
Porter J. Morgan .....	do	.....	900.00
Henry Morley .....	do	.....	900.00
Thomas B. Rea .....	do	.....	900.00
J. H. Richardson .....	do	.....	897.57
Geo. H. Robinson .....	do	.....	900.00
Chas. W. Rowse .....	do	.....	748.40
Wm. H. Saunders .....	do	.....	900.00
J. W. Shannons .....	do	.....	900.00
A. E. Wagner .....	do	.....	900.00
G. H. Woolfolk .....	do	.....	5.60
Wm. Yenner .....	do	.....	898.40
Geo. W. Bromell .....	do	.....	750.10
Do .....	.....	.....	.....
Chas. C. Conley .....	do	.....	636.39
Wm. A. Fry .....	do	.....	643.85
Orrin W. Noyes .....	do	.....	606.76
Do .....	.....	.....	.....
Anson W. Biggs .....	do	.....	720.00
Geo. E. Bruff .....	do	.....	540.00
Earl C. Cannon .....	do	.....	421.30
Harris B. Cook .....	do	.....	360.00
Chas. M. Cooper .....	do	.....	720.00
Chas. M. Corbett .....	do	.....	120.70
John A. Grant .....	do	.....	720.00
Geo. A. Harvey .....	do	.....	478.10
John E. Hart .....	do	.....	715.98
Jesse H. Hawkins .....	do	.....	25.71
Jas. R. Ihynes .....	do	.....	234.71
Joseph I. Healy .....	do	.....	104.79
Clyde B. Ingalls .....	do	.....	142.46
Arienus Irving .....	do	.....	421.30
H. G. Johnson .....	do	.....	362.56
August Jost .....	do	.....	220.00
H. H. Knox .....	do	.....	640.00
Albert B. Koen .....	do	.....	5.70
O. R. Leighton .....	do	.....	478.70
Jere C. Leyser .....	do	.....	639.30
Roy C. Liver .....	do	.....	628.97
Geo. W. Moyers .....	do	.....	140.48
Thomas Noonan .....	do	.....	701.29
O. E. G. Olmsted .....	do	.....	120.70
F. C. O'Rourke .....	do	.....	539.30
Danl. S. Phatt .....	do	.....	720.00
Ray O. Porter .....	do	.....	476.64
Joseph C. Reid .....	do	.....	628.97
Fred C. Sistrist .....	do	.....	553.48
Howard C. Smith .....	do	.....	142.46
Walter A. Smith .....	do	.....	120.70
Edw. S. Spindler .....	do	.....	9.60
		.....	628.97

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*



*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
			Services ended.	Per diem.	Salaries.	Miscellaneous items.		
<i>South Omaha, Neb.—Continued.</i>								
Anton Kostal.....	Tagger .....	May 16, 1898		\$720				\$750.00
Do.....	do.....	Apr. 1, 1904		840				
Thomas Leddy.....	do.....	Feb. 15, 1898		720				750.00
Do.....	do.....	Apr. 1, 1904		840				
Ethan Adams.....	do.....	Apr. 1, 1904		720				142.46
T. J. Alexander.....	do.....	Aug. 1, 1897		720				60.60
Jere S. Allen.....	do.....	May 16, 1904		720				90.95
Rollie J. Archer.....	do.....	Sept. 8, 1898		720				585.00
Jas. W. Barrett.....	do.....	Sept. 9, 1903		720				583.04
John T. Blair.....	do.....	May 1, 1898		720				420.10
Jas. Condon.....	do.....	Aug. 4, 1897		720				710.11
Perry Craig.....	do.....	Apr. 18, 1904		720				59.30
Jno. V. De Lancy.....	do.....	May 5, 1904		720				112.71
Reuben Forches.....	do.....	Aug. 1, 1897		720				720.00
Arthur W. Gove.....	do.....	Sept. 9, 1903		720				583.04
O. W. Helvey.....	do.....	Dec. 1, 1898		720				720.00
Edgar Jackson.....	do.....	June 15, 1903		720				241.90
Thomas Koppel.....	do.....	May 16, 1904		720				49.46
S. W. Le Neve.....	do.....	May 9, 1904		720				100.87
O. E. Lindberg.....	do.....	Sept. 1, 1902		720				121.20
P. S. McLaughlin.....	do.....	Sept. 9, 1903		720				716.08
C. A. Miner.....	do.....	do.....		720				583.04
Chas. E. Moore.....	do.....	do.....		720				403.04
Jean I. Nelson.....	do.....	do.....		720				718.10
F. C. Overton.....	do.....	do.....		720				60.60
John P. Payton.....	do.....	do.....		720				565.65
Wm. T. Pritchard.....	do.....	July 16, 1897		720				717.91
Jas. T. Robertson.....	do.....	July 22, 1903		720				616.31
L. Schibsky.....	do.....	Nov. 1, 1897		720				720.00
Geo. H. Schroeder.....	do.....	Nov. 6, 1893		720				720.00
Harry A. Shatzell.....	do.....	Aug. 1, 1897		720				720.00
C. G. Sutton.....	do.....	June 12, 1903		720				47.47
Henry C. Ulmer.....	do.....	Sept. 9, 1903		720				583.04
S. I. Valentine.....	do.....	Oct. 16, 1894		720				599.30
Claude E. Verry.....	do.....	Aug. 18, 1902		720				576.12
James Anstis.....	do.....	July 1, 1901		720				720.00
John Dufcek.....	do.....	Aug. 31, 1903		720				16.00
J. O. Eastman.....	do.....	July 1, 1897		720				620.00

Don C. Ayer.....	\$180.00	
Nebraska Telephone Co.....	54.00	
Glyn & Smith.....	27.00	
J. S. Stott.....	18.95	
Remington Typewriter Co.....	16.50	
Underwood Typewriter Co.....	7.50	
Omaha Printing Co. ....	7.50	
Saddle horse .....	1,600	173.21
Telephone.....	1,500	
Hanling .....	1,400	
Letterpress, ink, etc.....	1,400	
Repairing typewriter.....	1,400	
do.....	1,400	
"Little Giant" bath .....	1,200	
Assistant Inspector.....	1,200	
Patrick J. Brady.....	1,200	
Jas. C. Burneson.....	1,200	
K. G. Cherrington.....	1,200	
Wm. T. Conway.....	1,200	
John F. Fairley .....	1,200	
Geo. E. Frey.....	1,200	
Floyd A. Gibos.....	1,200	
Frank J. Glynn.....	1,200	
Wesley M. Goff.....	1,200	
Ralph Graham.....	1,200	
Alfred B. Hollis.....	1,200	
Harvey B. Hood.....	1,200	
Harry J. Hoyman.....	1,200	
David A. Hughes.....	1,200	
Thomas A. Jones.....	1,200	
Walter K. Lewis.....	1,200	
John H. Lowe.....	1,200	
Jens Madsen.....	1,200	
Jno. P. O'Connor.....	1,200	
(geo. D. Painter.....	1,200	
Norman C. Powell.....	1,200	
Robt. M. Faban.....	1,200	
Abram N. Reber.....	1,200	
Jno. B. Reidy .....	1,200	
Geo. A. Scott.....	1,200	
Silas L. Shaw.....	1,200	
R. H. Thomas .....	1,200	
Reginald Thomas.....	1,200	
H. J. Timmerman.....	1,200	
Walter H. Yingst.....	1,200	
John M. Young.....	1,200	
Wm. S. Crawford.....	1,000	
Edw. O. Speake.....	1,000	
do.....	840	
do.....	900	
		a Per month.
		b Per day.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.				
<i>National Stock Yards, Ill.—Continued.</i>									
Arthur H. Bibb	Stock examiner	May 1, 1896					\$900		\$900.00
A. R. Bruton	do	Feb. 15, 1896					900		900.00
Wm. T. Flynn	do	Jan. 1, 1894					900		900.00
Edw. G. Lauck	do	Sept. 1, 1902					900		900.00
Matt. O'Keefe	do	Aug. 1, 1902					900		900.00
Frank O'Neil	do	July 18, 1898					900		900.00
Geo. Sutherland	do	Nov. 12, 1894					900		900.00
Henry M. Edsell	Tagger	Feb. 13, 1901					720		527.72
Do	Stock examiner	Feb. 1, 1904					900		\$11.95
Chas. K. Hartwell	Tagger	Feb. 15, 1902					720		755.62
Do	Clerk	Mar. 15, 1904					840		
Wm. S. Alexander	Tagger	Mar. 16, 1903					720		105.60
Clement Bevelot	do	Dec. 1, 1893					720		684.66
Frank G. Carriker	do	Aug. 10, 1903					720		90.95
Robert H. Carter	do	July 6, 1903					720		380.27
Henry Burke	do	Mar. 9, 1904					720		138.50
John A. Bushong	do	Feb. 15, 1896					720		714.08
Joseph G. Carr	do	May 10, 1904					720		100.84
Frank G. Carriker	do	Mar. 12, 1903					720		565.82
Robert H. Carter	do	June 22, 1904					720		17.80
Ollie C. Coley	do	Feb. 15, 1896					720		357.50
Wm. J. Doyle	do	Mar. 31, 1904					720		408.67
Geo. K. Grant	do	Aug. 20, 1903					720		720.00
Robert Gray	do	June 24, 1896					720		59.30
Morton Hattery	do	Mar. 2, 1903					720		215.60
Paul C. Henry	do	Mar. 14, 1904					720		369.37
F. H. Hoswell	do	Sept. 1, 1903					720		211.60
James C. Keys	do	Mar. 1, 1904					720		58.80
Albert R. Koen	do	Sept. 12, 1902					720		140.48
John S. Koen	do	Apr. 21, 1904					720		411.53
Fred Loman	do	Oct. 5, 1903					720		419.40
R. T. McNaughten	do	Dec. 4, 1902					720		111.47
John E. Markley	do	July 6, 1903					720		280.40
Jos. H. Murray	do	Sept. 12, 1902					720		180.00
Geo. W. Neff	do	Mar. 16, 1903					720		50.87
Huitt H. Nutter	do	July 6, 1903					720		213.66
John W. Prie	do	June 24, 1903					720		19.78
H. R. Schlyter	do	June 22, 1904					720		448.99
Wm. H. Skinner	do	Dec. 2, 1901					720		352.23
Alva Snyder	do	Oct. 5, 1903					720		

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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E. L. Sturdevant.....	do	Feb. 2, 1903	Feb. 2, 1904	720	33.26
Joseph Sullivan.....	do	Feb. 15, 1896	.....	720	720.00
C. Elmer Watson.....	do	Aug. 10, 1903	.....	720	239.40
Isaac H. White.....	do	July 25, 1901	.....	720	40
Timothy P. Wright.....	do	Apr. 15, 1904	.....	720	121.20
Southern Rwy. Co.....	do	.....	.....	93.05	15.95
Chicago and Alton Rwy. Co.....	do	.....	.....	7.25	7.20
St. Louis National Stock Yards.....	do	.....	.....	.....	\$601.20
H. J. Gilmore.....	do	.....	.....	.....	6.00
Norvell-Shippeigh Hardware Co.....	do	.....	.....	.....	.....
Lewis R. Baker.....	Inspector	Feb. 1, 1900	.....	1,600	32.74
Do.....	do	Dec. 1, 1903	.....	1,800	53.80
Geo. Ditewig.....	do	do	.....	1,500	112.80
Joseph M. Good.....	do	Apr. 1, 1903	.....	1,400	12.32
Arthur C. Hart.....	do	do	.....	1,100	7.40
W. T. Sparhawk.....	do	June 1, 1903	.....	1,400	.....
Edw. K. Ward.....	do	do	.....	1,400	351.30
A. L. Hirlman.....	do	July 1, 1903	.....	1,400	2.00
Patk. F. Quinn.....	do	do	.....	1,200	1,400.00
Jno. M. Simpson.....	do	do	.....	1,200	4.20
Chas. A. Stewart.....	do	May 23, 1901	.....	1,200	1,200.00
C. O. Wagener.....	do	June 9, 1904	.....	1,200	1,088.08
Edw. C. Carle.....	do	Aug. 8, 1903	.....	1,200	69.23
W. H. Timmons.....	Stock examiner	July 1, 1903	.....	900	774.95
Harvey L. Shale.....	Clerk	June 24, 1901	.....	900	900.00
Do.....	Stock examiner	Dec. 2, 1901	.....	840	885.12
Wm. M. Burson.....	Tagger	Feb. 1, 1904	.....	900	864.90
Do.....	Clerk	April 1, 1904	.....	810	729.90
John Höberg.....	Tagger	June 1, 1901	.....	720	794.70
Do.....	Stock examiner	Feb. 1, 1904	.....	900	794.70
M. J. Ragland.....	Tagger	Nov. 15, 1901	.....	720	791.70
Do.....	Stock examiner	Feb. 1, 1904	.....	900	791.70
Solomon C. Shale.....	Tagger	July 25, 1901	.....	720	428.72
Do.....	Stock examiner	Feb. 1, 1904	.....	900	428.72
Jas. S. Oldham.....	Tagger	April 10, 1901	.....	720	720.00
John Summers.....	do	May 16, 1893	.....	720	210.60
Southern Rwy. Co.....	do	.....	.....	.....	8.26
Chicago, Indianapolis and Louis-ville Rwy. Co.....	do	.....	.....	.....	8.00
The Baltimore and Ohio R. R. Co.....	do	.....	.....	.....	.....
Louisville and Nashville R. R. Co.....	do	.....	.....	.....	.....
The Cincinnati Union Stock Yard Co.....	do	.....	.....	.....	180.00
<i>Indianapolis, Ind.</i>					
Niels C. Sorensen.....	Inspector	Jan. 16, 1901	.....	1,600	1,600.00
T. L. Armstrong.....	do	Apr. 15, 1903	.....	1,500	971.25
Orrin W. Snyder.....	do	do	.....	1,500	1,500.00
Chas. H. Canfield.....	do	do	.....	1,400	1,406.50
Do.....	do	do	.....	1,500	1,500

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Miscella-neous.
				Per diem.	Per annum.	Miscellaneous.	Salaries.	
<i>Indianapolis, Ind.—Continued.</i>								
Richd. W. Tuck	Inspector	May 1, 1901		\$1,400				\$1,458.50
Do	do	Dec. 1, 1903		1,500				
J. B. Hollenbeck	do	June 15, 1903		1,400				1,400.00
James C. Keely	do	Feb. 1, 1903	July 24, 1903	1,400				68.48
C. F. Palmer	do	Nov. 1, 1902		1,400				1,400.00
Robt. Trumbull	do	Mar. 1, 1903		1,400				1,396.23
Harry K. Waller	do	Feb. 1, 1903		1,400				1,400.00
Patk. E. Quinn	Assistant inspector	July 1, 1903		1,200				1,069.54
Danl. R. Alton	Stock examiner	Jan. 1, 1901		900				76.60
Jacob Fox	do	Jan. 1, 1894		900				900.00
Geo. W. Koontz	do	Feb. 1, 1894		900				880.46
S. S. Sowers	do	July 1, 1902		900				900.00
Jas. W. Wampler	do	Jan. 1, 1894		900				900.00
Jan. H. Carroll	Clerk	do		900				900.00
Martin P. Grady	do	Jan. 1, 1902		900				900.00
Geo. S. Jones	do	Mar. 10, 1898		840				835.40
Wm. S. Alexander	Trigger	do		720				614.45
Ralph B. Compton	do	Dec. 2, 1901		720				423.28
Lewis S. Dreyer	do	July 22, 1901		720				684.44
Will A. Franz	do	July 25, 1901		720				720.00
Arthur J. Lee	do	Feb. 2, 1903		720				720.00
John E. Lynch	do	Apr. 16, 1893		720				298.70
Matt. Quinn	Stock examiner	do		900				719.70
Do	Laborer	do		900				297.10
Mary Morrison	do	Aug. 9, 1901		6 \$30.00 6 2.00				620.00
Henry F. Hubbard	Red River, Texas and Southern Ryw. Co.							26.80
The Pittsburgh, Cincinnati, Chi-cago and St. Louis Ryw.								
Belt R. R. and Stock Yard Co.								
New Telephone Co								
Armstrong Laundry								
<i>Louisville, Ky.</i>								
H. H. George	Inspector	Aug. 1, 1902		1,500				3.50
Do	do	Jan. 1, 1904		1,600				
								\$120.00 80.00 6.53
								1,550.00 2.61 139.49

H. Caldwell	do	1,400		4.45
Do	do	1,500		
Herbert M. Smith	do	1,400		467.90
W. T. Sharhawk	do	1,400		467.90
Wm. J. Butler	Assistant inspector	1,200		234.07
Bert J. Cady	do	1,200		26.37
Geo. W. Knott	do	1,200		60.00
Adam T. Knowles	do	1,200		8.40
C. O. Waggoner	do	1,200		210.90
D. R. Alton	Stock examiner	1,200		258.73
Walter M. Fosler	do	900		2.05
Hogan Gaines	do	900		583.47
Joseph M. Turner	do	900		450.00
Geo. H. Woolfolk	do	900		301.60
Albert E. Harris	Clerk	840		225.00
Do	do	900		870.00
Jas. L. King	Tagger	720		794.70
Do	do	900		
John W. Brown	Stock examiner	720		358.06
John A. Bushong	Tagger	720		6.06
Leon Durham	do	720		59.30
Wm. B. Ellison	do	720		1.70
Geo. W. Humbert	do	720		720.00
Isaac N. Knott	do	720		449.95
St. Louis and San Francisco R. R. Co.	do	2.00		48.00
Chicago, Milwaukee and St. Paul Rwy. Co.	do			Traveling expenses Transportation, G. W. Knott Transportation, I. N. Krowl et al.
Louisville and Nashville R. R.	do			Transportation, J. A. Bushong et al.
Southern Rwy. Co.	do			Transportation, J. M. Turner Transportation, J. W. Brown Transportation, D. R. Alton
The Missouri Pacific Rwy. Co.	do			Rent.....
Pittsburg, Cinnebaugh, Chicago and St. Louis Rwy. Co.	do			16.35 16.50 3.50
Bourbon Stock Yard Co.	do			120.00
<i>Eau Claire, Wis.</i>				
George W. Butler	Inspector	1,400		1,408.20
Do	do	1,500	Horse and buggy	360.00
<i>New York, N. Y.</i>				
Harry N. Waller	Inspector	1,800		1,648.40
Louis Abel	do	1,500		1,600.00
A. F. Martins	do	1,400		1,348.60
Do	do	1,500		620.62
J. Wm. Fink	do	1,400		1,400.00
John B. Hopper	do	1,400		1,400.00
Wm. R. Hynes	do	1,400		

<sup>a</sup> Per day.<sup>a</sup> Per month.

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Disbursements.	Traveling.	Miscellaneous.
				Per item.	Per annum.				
Russell G. Lawton .....	Inspector .....	Mar. 1, 1903		\$1,400			\$932.10		
Monroe B. Miller .....	do	Mar. 1, 1902		1,400			1,349.98		
Jos. J. Thackaberry .....	do	May 1, 1902		1,400			1,400.00		
Jno. D. De Ronde .....	Assistant inspector .....	Oct. 1, 1900		1,200			1,200.00		
Wm. Eckl .....	do	July 22, 1901		1,200			1,200.00		
Frank J. Glynn .....	do	Sep. 15, 1903		1,200			1,200.00		
Moses Isaac .....	do	Apr. 15, 1903		1,200			1,200.00		
Frank D. Owen .....	do	do		1,200			1,200.00		
Major Schofield .....	do	Dec. 16, 1901		1,200			1,200.00		
Walter H. Yingst .....	do	July 12, 1902		1,200			1,200.00		
John M. Young .....	do	Apr. 20, 1903		1,200			1,200.00		
Stephen A. Selby .....	Temporary assistant inspector .....	Apr. 15, 1903		1,200			1,200.00		
Do.....	Stock examiner .....	Nov. 1, 1903	900						
Do.....	Assistant inspector .....	Jan. 1, 1904	1,200						
Emil Balzer .....	Microscopist .....	June 17, 1901	1,400						
Eph. Dietrich .....	Clerk .....	July 1, 1900	1,200						
John L. Burgess .....	Stock examiner .....	Feb. 15, 1903	900						
J. F. Butterfass .....	do	Oct. 1, 1901	900						
John J. Haggerty .....	do	Oct. 12, 1897	900						
Hiram Jerome .....	do	June 1, 1903	900						
John C. Oren .....	do	Oct. 1, 1901	900						
Ernest E. Rue .....	do	Feb. 15, 1903	900						
Lanus E. Sargent .....	do	Dec. 9, 1895	900						
Henry Schauer .....	do	May 27, 1901	900						
Wm. A. Baldwin .....	do	Rob. 1, 1904	900						
Edw. P. Hogan .....	Tagger .....	Rob. 12, 1901	720						
Do.....	Stock examiner .....	Jan. 1, 1904	900						
Jas. E. Lovejoy .....	do	Mar. 1, 1900	720						
John F. Latepeke .....	Stock examiner .....	July 16, 1903	900						
Do.....	do	May 23, 1895	720						
Thos. D. Anderson .....	Stock examiner .....	July 16, 1903	900						
Frank J. Gilmore .....	Nigger .....	Sep. 25, 1903	Oct. 24, 1903	720					
Fred J. Goebel .....	do	Feb. 1, 1896	720						
Michl. F. Henry .....	do	Sep. 7, 1891	720						
Albert T. Maxon .....	Tagger .....	Jun. 20, 1901	720						
	Do.....	Feb. 12, 1901	720						

John B. Roberts .....	do .....	Mar. 10, 1900	720	241.30
Henry Schopp .....	do .....	Sept. 15, 1893	720	720.00
Frank L. Shippen .....	do .....	Jan. 1, 1903	720	187.00
Richman Coles .....	Laborer .....	Sept. 10, 1901	2,500	665.00
Arthur L. Cary .....	do .....	Apr. 15, 1903	2,000	76.00
Jno. T. J. Cully .....	do .....	Aug. 31, 1903	2,000	138.00
Geo. Loskorn .....	do .....	Sept. 4, 1903	2,000	104.00
Edw. P. Lynes .....	do .....	Apr. 15, 1903	2,000	54.00
Chas. Paul .....	do .....	Feb. 12, 1903	2,000	142.00
Emma J. Adams et al .....	do .....	Nov. 25, 1901	2,000	\$180.00
New York Telephone Co .....	Rent .....	Rent .....	.....	.....
Hiram Jerome .....	Telephone rental .....	.....	.....	39.50
Fred J. Goebel .....	Street-car fares .....	.....	.....	28.00
Louis Abel .....	do .....	.....	.....	9.50
Eph. Dietrich .....	do .....	.....	.....	4.50
Atlantic Coast Line R. R .....	Transportation, W. H. Yingst .....	.....	.....	.....
New York Central and Hudson River R. R. Co. .....	Transportation, J. W. Fink .....	.....	.....	.....
<i>South St. Paul, Minn.</i>				
Frank D. Ketchum .....	Inspector .....	Mar. 25, 1903	1,500	19.74
Do .....	do .....	June 1, 1904	1,600	.....
R. H. Harrison .....	do .....	Feb. 1, 1901	1,400	.....
Geo. T. Irons .....	do .....	May 1, 1902	1,400	1,400.00
Bella N. Mead .....	do .....	Apr. 1, 1903	1,400	1,400.00
Dani. G. Shumway .....	do .....	May 1, 1902	1,400	1,400.00
Wm. W. Bronson .....	Assistant inspector .....	June 20, 1903	1,200	3.26
Andrew B. Niven .....	do .....	Oct. 15, 1902	1,200	1,200.00
John Jacobson .....	Stock examiner .....	Jan. 1, 1899	900	887.79
Thomas M. Libby .....	do .....	Oct. 1, 1895	900	900.00
C. W. von Dom .....	Clerk .....	May 1, 1902	840	.....
Do .....	do .....	Mar. 1, 1904	900	860.10
Walter A. Forbes .....	Tagger .....	Apr. 1, 1901	720	750.10
Do .....	Stock examiner .....	May 1, 1901	900	.....
John R. Durkee .....	Tagger .....	Sept. 8, 1903	720	585.00
Frank Hendricks .....	do .....	Sept. 20, 1902	720	720.00
M. E. Humphrey .....	do .....	Nov. 18, 1901	720	720.00
Chicago, Milwaukee and St. Paul Rwy. Co. .....	Transportation, Harrison .....	.....	.....	8.00
F. D. Ketchum .....	Horse and buggy .....	.....	.....	300.00
<i>St. Louis, Mo.</i>				
J. J. Brougham .....	Inspector .....	Dec. 15, 1900	1,800	1,800.00
Chester Miller .....	do .....	May 1, 1901	1,400	1,458.50
Do .....	do .....	Dec. 1, 1903	1,500	.....
D. C. Burnett .....	do .....	June 15, 1903	1,400	1,400.00
Duncan R. Galies .....	do .....	June 1, 1903	1,400	1,400.00
Thomas B. Pote .....	do .....	April 1, 1903	1,400	1,400.00
I. O. F. Price .....	do .....	Aug. 1, 1902	1,400	465.40
Morris C. Wiley .....	Assistant inspector .....	July 1, 1901	1,200	1,300.00
Do .....	Inspector .....	Jan. 1, 1904	1,400	.....

*Schedule of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Clyde C. Heacock	do	Dec. 16, 1903	1,200	652,17
Elsia Myer	do	Dec. 4, 1902	1,200	1,200
Irwin Owens	do	May 15, 1903	1,200	1,165,23
Adolph Ruth	do	July 6, 1903	1,200	1,167,40
J. A. Stauder	do	Nov. 7, 1902	1,200	1,188,90
Wm. D. Wright	do	Jan. 1, 1904	1,200	600,00
Edw. M. Smith	Clerk	June 1, 1903	900	900,00
Jas L. Gerrish	Stock examiner	Aug. 1, 1900	900	900,00
Wm. A. Skinner	do	Dec. 16, 1902	900	381,52
Albert S. Brown	Tagger	Dec. 21, 1903	720	539,06
Buren Graham	do	Aug. 1, 1901	720	720,00
Seymour R. Hoyt	do	July 15, 1902	720	144,68
Robt L. Marshall	do	Nov. 1, 1902	720	9,78
Wm. R. Moliere	do	Feb. 12, 1902	720	422,56
Leo W. Morrissey	do	July 6, 1903	720	720,00
Frank E. Pollitt	do	Nov. 10, 1903	720	524,40
John Potts	do	July 15, 1902	720	60,60
Jonathan H. Rca	do	Oct. 9, 1903	720	287,56
John V. Renau	do	Mar. 3, 1901	720	720,00
Chas. Schuman	do	June 22, 1903	720	499,62
Walter A. Smith	do	July 10, 1902	720	678,97
John W. Snell	do	Aug. 21, 1903	720	15,30
Terre Haute and Indianapolis R. R. Co.	do	July 22, 1903	720	Transportation, Armstrong
<i>Los Angeles, Cal.</i>				
Charles Keane	Inspector	Apr. 1, 1903	1,300	9,30
Albert E. Rishel	do	June 22, 1903	1,300	1,400,00
John F. Nelson	Stock examiner	Feb. 15, 1896	900	900,00
M. J. P. Noite	do	Oet. 1, 1901	900	900,00
A. J. O'Rourke	do	Nov. 1, 1896	900	900,00
Edw. E. Stephens	do	Oct. 1, 1901	900	900,00
Chas. Keane	do	do	do	300,00
Sunset Telegraph and Telephone Co.	do	do	do	12,00
<i>South St. Joseph, Mo.</i>				
Lewis R. Baker	Inspector	Feb. 1, 1900	1,600	1,182,00
Do	do	Dec. 1, 1903	1,800	7,05
John Forbes	do	Sept. 1, 1898	1,600	134,80
J. E. Blackwell	do	Aug. 1, 1893	1,400	1,338,78
Do	do	Nov. 1, 1901	1,300	1,45,39
John B. Wright	do	May 1, 1901	1,400	1,400,00
Do	do	Dec. 16, 1903	1,500	1,400,00
Baymond Johnson	do	Aug. 1, 1902	1,400	1,400,00
F. C. McCurdy	do	July 1, 1902	1,400	1,400,00
B. W. Murphy, Jr.	do	Jan. 1, 1903	1,400	1,200
Wm. F. Day	Assistant inspector	Mar. 25, 1901	1,400	1,250,00
Do	Inspector	Apr. 1, 1901	1,400	1,200
C. M. McFarland	Assistant inspector	May 15, 1902	1,400	1,358,18
Do	Inspector	Sept. 16, 1903	1,400	.....

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.			Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.			
<i>South St., Joseph, Mo.—Cont'd.</i>									
Chas. J. Morrow	Assistant inspector	Aug. 23, 1900		\$1,200					\$1,366.40
Do	Inspector	Sept. 1, 1903		1,400					
Frisbie T. Snit	Assistant inspector	May 23, 1901		1,200					1,216.50
Do	Inspector	June 1, 1904		1,400					135.16
Oscar A. Dillen	Assistant inspector	May 21, 1904		1,200					202.20
Richard F. Eagle	do	June 10, 1901		1,200					1,200.00
C. L. Elliott	do	Jan. 27, 1903		1,200					1,183.71
Ora W. Everly	do	Jan. 13, 1902		1,200					
A. J. Farley	do	May 23, 1904		1,200					112.09
Logan B. Huff	do	April 9, 1904		1,200					273.63
Geo. Jerome	do	Nov. 24, 1902		1,200					202.20
R. L. McClelland	do	Aug. 5, 1901		1,200					1,200.00
E. M. Nighbert	do	June 23, 1902		1,200					202.20
Geo. D. Painter	do	June 18, 1901		1,200					900.00
Abram N. Reber	do	July 6, 1903		1,200					997.80
X. J. Richmond	do	May 1, 1902		1,200					900.00
Walter E. Weise	do	Aug. 9, 1902		1,200					1,200.00
Wallace L. Upton	Stock examiner	July 1, 1902		900					
Do	Field stock examiner	Feb. 18, 1904		1,000					526.60
Frank A. Ewing	Stock examiner	May 1, 1894		900					900.00
Bolt G. Knipple	do	Jan. 1, 1903		900					900.00
Wm. E. Mowrel	do	June 25, 1902		900					897.57
Solomon C. Shale	Clerk	Feb. 1, 1904		900					150.80
P. P. Druckenmiller	do	Mar. 1, 1903		900					\$3.75
Harry E. Armstrong	Tagger	Dec. 23, 1901		720					900.00
Do	Stock examiner	Feb. 15, 1904		900					
Do	Field stock examiner	Mar. 1, 1904		1,000					486.08
Henry M. Lint	Tagger	Nov. 18, 1901		720					780.30
Do	Stock examiner	Mar. 1, 1904		900					
John Summers	Tagger	May 16, 1893		720					509.40
Do	do	Apr. 1, 1904		840					6.55
Otto Angspurger	do	Apr. 20, 1904		720					142.46
Irwin E. Barr	do	May 16, 1904		720					90.95
Frank L. Boone	do	June 10, 1903		720					674.46
Geo. S. Brown	do	Aug. 10, 1903		720					641.80
John W. Brown	do	Oct. 9, 1903		720					164.40
Wm. E. Burrows	do	Mar. 23, 1903		720					628.97
D. M. Campbell	do	Apr. 24, 1903		720					209.67
Clyde C. Clark	do	Nov. 14, 1902		720					718.10



*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous Items.	Disbursements.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.					
<i>Sioux City, Iowa—Continued.</i>										
Geo. W. Clark.....	Clerk.....				\$900.....		\$900.00.....			
Clms. J. Chamberlin.....	Stock examiner.....	Mur. 1, 1898 Jun. 1, 1899		900.....	900.00.....					
Myron H. Kling.....	do.....	Jun. 1, 1893		900.....	900.00.....					
Donald McDonald.....	do.....	Feb. 1, 1896		900.....	897.43.....					
Sauli, W. Smith.....	do.....	May 1, 1896	Oct. 10, 1903	900.....	31.79.....					
D. A. Winnie.....	do.....	Jun. 1, 1899		900.....	900.00.....					
Clms. M. Corbett.....	Pegger.....	June 15, 1903		720.....	599.33.....					
W. M. Gordon.....	do.....	July 1, 1901		720.....	198.02.....					
John W. Leary.....	do.....	Feb. 2, 1903		720.....	720.00.....					
John W. Wilhelm.....	do.....	Apr. 15, 1904		720.....	162.35.....					
New York Central and Hudson River R. R. Co. ....										
The Wabash R. R. Co. ....										
Illinois Central R. R. Co. ....										
The Sioux City Stock Yards Co. ....										
Town Telephone Co. ....										
The Marvel Joyce Engraving Co. ....										
<i>Austin, Minn.</i>										
M. O. Anderson.....	Inspector.....	Apr. 1, 1903		1,500.....			1,500.00.....			
John Mumman.....	Pegger.....	Feb. 2, 1903		720.....			720.00.....			
<i>Boston, Mass.</i>										
Rice P. Steedman.....	Inspector.....	Apr. 1, 1903		1,800.....			200.60.....			
Thos. W. Carmichael.....	do.....	do.....		1,500.....			633.60.....			
Jas. Johnston.....	do.....	do.....		1,600.....			750.00.....			
P. H. Malinoway.....	do.....	do.....		1,600.....			138.88.....			
Harry Q. Thompson.....	do.....	do.....		1,500.....			733.88.....			
Albert Long.....	do.....	do.....		1,400.....			1,408.20.....			
Do. ....	do.....	do.....		1,500.....						
Henry E. Brown.....	do.....	do.....		1,400.....			1,400.00.....			
Daniel S. Hayes.....	do.....	do.....		1,400.....			1,400.00.....			
Alfred P. Martins.....	do.....	do.....		1,400.....			1,400.00.....			
F. L. Stevens.....	do.....	do.....		1,400.....			1,400.00.....			
Thomas Coyne.....	Vessel Inspector.....	July 15, 1902		1,400.....			1,400.00.....			
E. A. Crossman.....	Assistant Inspector.....	May 1, 1903		1,200.....			1,200.00.....			
Do. ....	Inspector.....	July 1, 1904		1,400.....			1,400.00.....			

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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A. C. Fitzpatrick	Assistant inspector	Aug. 23, 1900	1,350.00
Do.	Inspector	Oct. 1, 1903	1,200
Andrew Hyde	Assistant inspector	June 6, 1902	1,400
Do.	Inspector	Apr. 16, 1904	1,400
Milton T. Perry	Assistant inspector	May 23, 1901	1,200
Do.	Inspector	June 1, 1904	1,400
Louis H. Kraus	Assistant inspector	Mar. 16, 1903	1,200
Albert H. Logan	Assistant inspector	Mar. 2, 1903	1,200
Frank P. Sturges	do	Dec. 18, 1902	1,200
Dennie H. Udall	do	May 1, 1903	1,200
Cyrus K. Small	Clerk	Sept. 4, 1903	1,200
Henry W. Buscied	do	Feb. 15, 1903	1,200
W. E. Berry	Stock examiner	July 1, 1902	900
W. P. Cherrington	do	June 15, 1903	900
Jas. S. Kenneally	do	Dec. 1, 1894	900
Frank P. Nowlan	do	Oct. 1, 1901	900
Geo. D. Warner	do	May 1, 1903	900
Wm. A. Baldwin	Tagger	July 1, 1898	900
Do.	Stock examiner	May 27, 1901	720
Geo. F. Babb	Tagger	Feb. 1, 1904	900
L. L. Bullard	do	Aug. 12, 1903	720
F. H. Burleigh	do	Mar. 1, 1892	720
Edw. J. Burns	do	Sept. 28, 1891	720
Harris B. Cook	do	Sept. 16, 1903	720
John L. Ewing	do	Apr. 10, 1903	720
Michl. F. Henry	do	June 20, 1901	720
Walter H. Hersey	do	do	720
C. B. Hutchinson	do	Oct. 23, 1899	720
Jas. G. Jeffrey	do	Mar. 1, 1900	720
Joseph S. Jenison	do	Feb. 1, 1898	720
John S. Neagle	do	Jan. 8, 1904	720
Merrill J. Ober	do	June 20, 1901	720
Timothy P. White	do	July 25, 1901	720
Effie I. Wescott	Assistant microscopist	Apr. 11, 1898	600
Do.	do	Jan. 1, 1903	720
Cleveland, Columbus, Cincinnati and St. Louis Rwy.	Microscopist	Sept. 16, 1903	840
New York, New Haven and Hartford R. R. Co.	do	do	840
Trustees of the Milk Street Trust.	do	July 27, 1903	720
George E. Francis	do	Aug. 12, 1903	720
New England Telegraph and Telephone Co.	do	July 25, 1901	720
S. E. Bennett	do	Apr. 11, 1898	600
Hooper, Lewis & Co.	do	Jan. 1, 1903	720
Electric Illuminating Co. of Boston.	do	do	720
Boston Electric Co.	do	do	720
Bay State Clean Towel Co.	do	do	720
Danforth & Co.	do	do	720
Transportation, T. P. White	do	do	720
Transportation, W. A. Baldwin	do	do	720
Rent.	do	do	720
Horse and buggy	do	do	720
Telephone rental	do	do	720
Livery and miscellaneous expenses.	do	do	720
Stationery	do	do	720
Electric current	do	do	720
Towel service	do	do	720
Moving sale, etc.	do	do	720

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem.	Compensation. Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscella- neous.
<i>Boston, Mass.—Continued.</i>									
The Boston Ice Co.						Ice.....			\$5.60
Wm. P. Cherrington						Desk rack.....			5.00
Underwood Typewriter Co.						Repairing typewriter.....			2.50
Brookline Gas Light Co.						Gas.....			2.10
McKenney & Waterbury Co.						Electric light.....			1.40
<i>Jersey City, N. J.</i>									
Julius Huelson	Inspector	Dec. 15, 1890		\$1.600					100.26
Arch'd McBride	do	June 15, 1893		1,500					
Daniel J. Mangan	Assistant inspector	Dec. 10, 1900		1,200					
Do.....	Inspector	Dec. 16, 1903		1,400					
Joses Isaac	Assistant inspector	Apr. 22, 1903		1,200					
Emmanuel I. Dine	Tagger	Mar. 2, 1896		900					
Geo. J. Hoerner	Stock examiner	May 1, 1896		720					
Do.....	do	Jan. 1, 1904		900					
A. Fahrnbach	Tagger	Feb. 14, 1903		900					
John Purcell, Jr.	do	Sept. 1, 1893		720					
Thomas Shear	do	July 17, 1893		720					
<i>Buffalo, N. Y.</i>									
Benj. Howes	Inspector	Apr. 15, 1903		1,500					1,122.20
No. P. O'Leary	do	do		1,500					
A. Robinson	do	Sept. 1, 1901		1,500					
A. N. Bird	do	do		1,400					1,377.80
Do.....	do	Jan. 1, 1904		1,500					
Larry M. Ball	do	Mar. 1, 1902		1,400					
O. Durfee	do	June 15, 1903		1,400					
J. R. Ryder	do	July 15, 1902		1,400					
L. Volgenau	do	Oct. 1, 1899		1,400					
Somerville, Jr.	Assistant inspector	Apr. 15, 1903		1,200					
Wm. C. Wootton	do	Oct. 7, 1901		1,200					
Geo. H. Russell	Clerk	Jan. 1, 1900		900					
I. L. Newton	Stock examiner	Nov. 8, 1894		900					
Henry L. Rieman	do	Feb. 15, 1896		900					
Michael Chonacki	Tagger	Apr. 16, 1894		720					
Do.....	do	June 3, 1903		720					
Do.....	do	Dec. 12, 1901		720					
Do.....	do	June 10, 1904		720					
Do.....	do	July 1, 1904		720					
Do.....	do	Aug. 1, 1904		720					
Do.....	do	Sept. 1, 1904		720					
Do.....	do	Oct. 1, 1904		720					
Do.....	do	Nov. 1, 1904		720					
Do.....	do	Dec. 1, 1904		720					
Do.....	do	Jan. 1, 1905		720					
Do.....	do	Feb. 1, 1905		720					
Do.....	do	Mar. 1, 1905		720					
Do.....	do	Apr. 1, 1905		720					
Do.....	do	May 1, 1905		720					
Do.....	do	June 1, 1905		720					
Do.....	do	July 1, 1905		720					
Do.....	do	Aug. 1, 1905		720					
Do.....	do	Sept. 1, 1905		720					
Do.....	do	Oct. 1, 1905		720					
Do.....	do	Nov. 1, 1905		720					
Do.....	do	Dec. 1, 1905		720					
Do.....	do	Jan. 1, 1906		720					
Do.....	do	Feb. 1, 1906		720					
Do.....	do	Mar. 1, 1906		720					
Do.....	do	Apr. 1, 1906		720					
Do.....	do	May 1, 1906		720					
Do.....	do	June 1, 1906		720					
Do.....	do	July 1, 1906		720					
Do.....	do	Aug. 1, 1906		720					
Do.....	do	Sept. 1, 1906		720					
Do.....	do	Oct. 1, 1906		720					
Do.....	do	Nov. 1, 1906		720					
Do.....	do	Dec. 1, 1906		720					
Do.....	do	Jan. 1, 1907		720					
Do.....	do	Feb. 1, 1907		720					
Do.....	do	Mar. 1, 1907		720					
Do.....	do	Apr. 1, 1907		720					
Do.....	do	May 1, 1907		720					
Do.....	do	June 1, 1907		720					
Do.....	do	July 1, 1907		720					
Do.....	do	Aug. 1, 1907		720					
Do.....	do	Sept. 1, 1907		720					
Do.....	do	Oct. 1, 1907		720					
Do.....	do	Nov. 1, 1907		720					
Do.....	do	Dec. 1, 1907		720					
Do.....	do	Jan. 1, 1908		720					
Do.....	do	Feb. 1, 1908		720					
Do.....	do	Mar. 1, 1908		720					
Do.....	do	Apr. 1, 1908		720					
Do.....	do	May 1, 1908		720					
Do.....	do	June 1, 1908		720					
Do.....	do	July 1, 1908		720					
Do.....	do	Aug. 1, 1908		720					
Do.....	do	Sept. 1, 1908		720					
Do.....	do	Oct. 1, 1908		720					
Do.....	do	Nov. 1, 1908		720					
Do.....	do	Dec. 1, 1908		720					
Do.....	do	Jan. 1, 1909		720					
Do.....	do	Feb. 1, 1909		720					
Do.....	do	Mar. 1, 1909		720					
Do.....	do	Apr. 1, 1909		720					
Do.....	do	May 1, 1909		720					
Do.....	do	June 1, 1909		720					
Do.....	do	July 1, 1909		720					
Do.....	do	Aug. 1, 1909		720					
Do.....	do	Sept. 1, 1909		720					
Do.....	do	Oct. 1, 1909		720					
Do.....	do	Nov. 1, 1909		720					
Do.....	do	Dec. 1, 1909		720					
Do.....	do	Jan. 1, 1910		720					
Do.....	do	Feb. 1, 1910		720					
Do.....	do	Mar. 1, 1910		720					
Do.....	do	Apr. 1, 1910		720					
Do.....	do	May 1, 1910		720					
Do.....	do	June 1, 1910		720					
Do.....	do	July 1, 1910		720					
Do.....	do	Aug. 1, 1910		720					
Do.....	do	Sept. 1, 1910		720					
Do.....	do	Oct. 1, 1910		720					
Do.....	do	Nov. 1, 1910		720					
Do.....	do	Dec. 1, 1910		720					
Do.....	do	Jan. 1, 1911		720					
Do.....	do	Feb. 1, 1911		720					
Do.....	do	Mar. 1, 1911		720					
Do.....	do	Apr. 1, 1911		720					
Do.....	do	May 1, 1911		720					
Do.....	do	June 1, 1911		720					
Do.....	do	July 1, 1911		720					
Do.....	do	Aug. 1, 1911		720					
Do.....	do	Sept. 1, 1911		720					
Do.....	do	Oct. 1, 1911		720					
Do.....	do	Nov. 1, 1911		720					
Do.....	do	Dec. 1, 1911		720					
Do.....	do	Jan. 1, 1912		720					
Do.....	do	Feb. 1, 1912		720					
Do.....	do	Mar. 1, 1912		720					
Do.....	do	Apr. 1, 1912		720					
Do.....	do	May 1, 1912		720					
Do.....	do	June 1, 1912		720					
Do.....	do	July 1, 1912		720					
Do.....	do	Aug. 1, 1912		720					
Do.....	do	Sept. 1, 1912		720					
Do.....	do	Oct. 1, 1912		720					
Do.....	do	Nov. 1, 1912		720					
Do.....	do	Dec. 1, 1912		720					
Do.....	do	Jan. 1, 1913		720					
Do.....	do	Feb. 1, 1913		720					
Do.....	do	Mar. 1, 1913		720					
Do.....	do	Apr. 1, 1913		720					
Do.....	do	May 1, 1913		720					
Do.....	do	June 1, 1913		720					
Do.....	do	July 1, 1913		720					
Do.....	do	Aug. 1, 1913		720					
Do.....	do	Sept. 1, 1913		720					
Do.....	do	Oct. 1, 1913		720					
Do.....	do	Nov. 1, 1913		720					
Do.....	do	Dec. 1, 1913		720					
Do.....	do	Jan. 1, 1914		720					
Do.....	do	Feb. 1, 1914		720					
Do.....	do	Mar. 1, 1914		720					
Do.....	do	Apr. 1, 1914		720					
Do.....	do	May 1, 1914		720					
Do.....	do	June 1, 1914		720					
Do.....	do	July 1, 1914		720					
Do.....	do	Aug. 1, 1914		720					
Do.....	do	Sept. 1, 1914		720					
Do.....	do	Oct. 1, 1914		720					
Do.....	do	Nov. 1, 1914		720					
Do.....	do	Dec. 1, 1914		720					
Do.....	do	Jan. 1, 1915		720					
Do.....	do	Feb. 1, 1915		720					
Do.....	do	Mar. 1, 1915		720					
Do.....	do	Apr. 1, 1915		720					
Do.....	do	May 1, 1915		720					
Do.....	do	June 1, 1915		720					
Do.....	do	July 1, 1915		720					
Do.....	do	Aug. 1, 1915		720					
Do.....	do	Sept. 1, 1915		720					
Do.....	do	Oct. 1, 1915		720					
Do.....	do	Nov. 1, 1915		720					
Do.....	do	Dec. 1, 1915		720					
Do.....	do	Jan. 1, 1916		720					
Do.....	do	Feb. 1, 1916		720					
Do.....	do	Mar. 1, 1916		720					
Do.....	do	Apr. 1, 1916		720					
Do.....	do	May 1, 1916		720					
Do.....	do	June 1, 1916		720					
Do.....	do	July 1, 1916		720					
Do.....	do	Aug. 1, 1916		720					
Do.....	do	Sept. 1, 1916		720					
Do.....	do								

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

97

Ernest T. Faulder.....	do.....	720	11.87
A.G. Gjertson.....	do.....	720	720.00
Geo. A. Hanvey, Jr.....	do.....	720	121.20
Michl. Justinger.....	do.....	720	231.35
Jas. L. McGill.....	do.....	720	720.00
Jno. Mazirowski.....	do.....	720	720.00
Geo. E. Wager.....	do.....	720	463.50
Jas F. Hughes.....	Laborer.....	720	720.00
East. Buffalo Live Stock Exchange Co.....	Rent.....	720	240.00
B. P. Wende.....			554.88
58-3 The Bell Telephone Co. of Boston.....	Livery and miscellaneous expenses.....		30.22
Remington Typewriter Co.....	Telephone rental.....		16.22
Fowler Manufacturing Co.....	Repairing typewriter.....		12.72
Chas. W. Page, Jr.....	Towel service.....		9.80
	Street-car fares.....		
Louis K. Green.....	Inspector.....	1,500	25.19
Robt. J. Morrison.....	Stock examiner.....	1,400	
Jos. M. Sommer.....	do.....	900	
Anthony Fleishans.....	Laborer.....	200	
Ford Williamson.....	do.....	200	
James Fluzsimons & Co.....	do.....	200	
Detroit, Mich.		Office chair.....	4.00
			7.00
A. E. Behnke.....	Inspector.....	1,600	78.23
T. T. Greene.....	do.....	1,400	
Do.....	do.....	1,500	
Herbert Caldwell.....	do.....	1,400	
Herbert M. Smith.....	do.....	1,400	
Wm. Fotheringham.....	Assistant inspector.....	1,200	
Do.....	Inspector.....	1,400	
Isaac N. Krowi.....	Assistant inspector.....	1,200	
Do.....	Inspector.....	1,400	
R.E. Cochran.....	Assistant inspector.....	1,200	
Adolph Eichhorn.....	do.....	1,200	
John F. Ro.....	do.....	1,200	
Wm. B. Trembeth.....	do.....	1,200	
C.H. Morse.....	Clerk.....	1,1894	
Henry Baumel.....	Stock examiner.....	900	
J.J. Eichstaedt.....	do.....	900	
Christian Hiller.....	do.....	900	
Thos. C. Murphy.....	do.....	900	
John P. Somers.....	do.....	900	
J. Ernest Brooks.....	Tagger.....	720	
Chester J. Curtis.....	do.....	720	
A.E. Behnke.....			720.00
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation, H. M. Smith.....		420.00
			10.55

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Miscella-neons.
				Per diem	Per annum.	Miscellaneous items.	Salaries.	
<i>Portland, Oreg.</i>								
Clarence Loveberry .....	Inspector	Dec. 1, 1902	.....	\$1,400	.....	.....	\$1,400.00	\$13.65
Chas. W. Denning .....	Assistant Inspector	June 1, 1901	.....	1,200	.....	.....	101.10	\$231.39
Edw. C. Joss .....	do	Oct. 7, 1902	.....	1,200	.....	.....	1,186.77	1.25
John D. Adams .....	do	Apr. 9, 1904	.....	720	.....	.....	120.70	5.05
W. A. Bitner .....	Tagger	Feb. 15, 1898	.....	720	.....	.....	598.80	16.25
Jean I. Nelson .....	do	Sept. 26, 1902	.....	720	.....	.....	596.74	19.65
E. L. Torbett .....	do	Sept. 9, 1903	.....	720	.....	.....	361.32	.....
B. L. Wells .....	do	July 1, 1900	.....	720	.....	.....	25.43	.....
Walter C. Burch .....	Laborer	May 25, 1904	.....	2,00	.....	.....	30.00	.....
Geo. J. Coleman .....	do	Dec. 1, 1898	.....	2,00	.....	.....	632.00	.....
Oliver E. Melvin .....	do	July 25, 1901	.....	2,00	.....	.....	610.00	.....
E. H. Miller .....	do	.....	.....	2,00	.....	.....	106.00	.....
M. M. Welch .....	do	.....	.....	2,00	.....	.....	86.00	.....
O. B. Hess .....	.....	.....	.....	.....	.....	Travel and miscellaneous ex-penses.	1.50	9.85
C. Loveberry .....	.....	.....	.....	.....	.....	Horse and buggy.	.....	371.66
Chicago, Milwaukee and St. Paul Rwy. Co.	.....	.....	.....	.....	.....	Transportation, Binion	.....	58.00
Burlington and Missouri River R. R. in Nebraska.	.....	.....	.....	.....	.....	Transportation, Nelson	.....	50.00
Northern Pacific Rwy.	.....	.....	.....	.....	.....	Transportation, Adams	.....	5.60
<i>San Francisco, Cal.</i>								
George S. Baker .....	Inspector	Nov. 1, 1896	.....	1,600	.....	.....	1,630.00	102.05
Do. .....	do	Apr. 1, 1904	.....	1,800	.....	.....	300.00	4.40
Joseph S. Keane .....	Assistant Inspector	May 11, 1903	.....	1,200	.....	.....	.....	.....
John J. Borden .....	Stock examiner	Mar. 2, 1896	.....	900	.....	.....	896.32	.....
A. McSweeney .....	do	Feb. 15, 1896	.....	900	.....	.....	633.53	.....
John E. Munro .....	do	Jan. 1, 1897	.....	900	.....	.....	900.00	.....
I. J. Alexander .....	Tagger	Aug. 1, 1897	.....	720	.....	.....	660.20	.....
John H. Webster .....	do	Mar. 2, 1896	.....	720	.....	.....	60.60	.....
Northern Pacific Rwy.	.....	.....	.....	.....	.....	Transportation, Keane	.....	25.60
<i>Seattle, Wash.</i>								
O. B. Hess .....	Inspector	Sept. 1, 1901	.....	1,600	.....	.....	1,600.00	20.95
I. C. Henderson .....	Assistant Inspector	Apr. 1, 1904	.....	1,200	.....	.....	300.00	.....

Jos. S. Keane.....	do.....	May 11, 1903	1,200	900.00
John D. Adams.....	Tagger.....	Apr. 9, 1904	720	43.52
Paul Prange.....	do.....	Dec. 1, 1902	720	273.86
Marion J. Rarey.....	do.....	Dec. 16, 1902	720	720.00
Robt. C. Shepherd.....	do.....	Jan. 19, 1903	720	710.15
Jacob L. Workman.....	do.....	Dec. 4, 1903	720	396.22
C. Loveberry.....	Horse and buggy.....			35.48
W. H. Gibbs.....	Inspector.....	Sept. 1, 1893	1,200	1.15
P. A. Dammann.....	Tagger.....	June 10, 1893	720	..
<i>Cedar Rapids, Iowa.</i>				
Trajan A. Shipley.....	Inspector.....	Mar. 20, 1903	1,500	1,200.00
Burton R. Rogers.....	Stock examiner.....	June 20, 1903	1,400	720.00
Alfred Dav.....	do.....	Sept. 1, 1898	900	43.30
D. N. Wheeler.....	do.....	Feb. 28, 1902	900	..
W. E. Churchill.....	Tagger.....	May 5, 1903	720	..
H. H. Hicks.....				..
Chicago and Northwestern Rwy. Co.....				..
Chicago, Milwaukee and St. Paul Rwy. Co.....				..
<i>Cleveland, Ohio.</i>				
Edw. P. Schaeffer.....	Inspector.....	Sept. 1, 1901	1,600	1.34.77
Harry M. Bell.....	do.....	Mar. 1, 1902	1,400	136.96
Wm. T. Sparhawk.....	do.....	Mar. 1, 1903	1,400	580.80
Jas. T. Stuart.....	Assistant inspector.....	Mar. 1, 1898	1,200	1,200.00
John J. Crowley.....	Stock examiner.....	Jan. 1, 1899	900	897.57
John D. Shannon.....	do.....	Apr. 1, 1903	900	900.00
Louis N. Stumpf.....	do.....	July 1, 1903	900	900.00
Frank Fila.....	Tagger.....	Sep. 25, 1893	720	85.50
Do.....	Stock examiner.....	Oct. 1, 1903	900	..
Jos. E. Sawtell.....	Tagger.....	May 16, 1892	720	734.90
Do.....	Stock examiner.....	June 1, 1904	900	720.00
Wm. H. Fisher.....	Tagger.....	June 25, 1903	720	720.00
Alice H. Richards.....	Clerk.....	Apr. 1, 1903	..	..
Isabella Lacie.....	Laborer.....	Dec. 1, 1897	a 30.00	154.37
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....				7.25
<i>Brightwood, Mass.</i>				
Wilbur J. Murphy.....	Inspector.....	Apr. 1, 1903	1,500	1,500.00
Albert C. Chapin.....	Stock examiner.....	Mar. 1, 1903	900	900.00

<sup>a</sup> Per month.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Disbursements.		
				Compensation.	Miscellaneous items.	Salaries. Traveling.
Chas. A. Schaufler	Inspector	Jan. 1, 1901		\$1,800		\$111.09
Richd. W. Hewett	do	Mar. 1, 1902		1,400		
Wm. R. Andress	Assistant inspector	Aug. 23, 1900		1,200		
Do	Inspector	Sept. 1, 1903		1,400		
John W. Montagne	Assistant inspector	Mar. 25, 1901		1,200		
Willis G. Benner	Inspector	Apr. 1, 1904		1,400		
Do	Assistant inspector	Nov. 7, 1902		1,200		
Chas. J. Bigley	Clerk	AUG. 1, 1901		1,000		
A. N. Pepperman	Stock examiner	OCT. 1, 1901				
Matt. Robinson	do	MAR. 13, 1903		900		
Wm. T. Tippett	do	OCT. 1, 1901		900		
Geo. B. Wright	do	JAN. 1, 1897		900		
Morton Magee	Tagger	NOV. 11, 1898		720		
Do	Stock examiner	FEB. 15, 1904		900		
Florence E. Carlton	Tagger	MAR. 6, 1901		720		
Wm. J. Haughay	Laborer	Aug. 22, 1896		\$2.00		
Chas. S. Mathis	do	Feb. 12, 1903		2.00		
Thomas Ott	do	Aug. 3, 1903		2.00		
The Pittsburg, Cincinnati, Chi- cago and St. Louis Rwy.						
C. A. Schaufler						
The Bell Telephone Co. of Phil- adelphia.						
Daniel Galligher						
<i>Ottumwa, Iowa.</i>						
Joshua Miller	Inspector	MAR. 25, 1903		1,500		
Burton R. Rogers	do	JUNE 1, 1903		1,400		
Wm. H. Lytle	Assistant inspector	JAN. 1, 1894		900		
Abraham Mader	Stock examiner	Aug. 26, 1901		720		
T. B. Mahoney	Tagger	MAY 16, 1904		900		
Eustace T. Baker	Stock examiner	DEC. 21, 1903		720		
Chester E. Hunt	Tagger	JULY 6, 1903		720		
Henry A. Janet	do	Aug. 24, 1903		720		
O. E. G. Olmsted	do	Feb. 23, 1904		720		
Frank W. Orme	do	Feb. 10, 1904		720		
John A. Mader	do	MAY 5, 1904		720		
	Laborer					2.00

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Chicago, Burlington and Quincy Rwy. Co.	Transportation, Rogers.....	8.43
Iowa Central Rwy. Co.....	Transportation, Olmsted .....	2.79
Chicago, Milwaukee and St. Paul Rwy.	Transportation, Mahoney .....	8.30
Wichita, Kans.		
John C. Milnes .....	Inspector.....	
Wesley N. Neil .....	do .....	1,600
Do.....	do .....	1,1902
Chas. W. Burnham .....	Assistant inspector .....	1,500
Thos. J. Eagle .....	do .....	1,200
Marvin Gregory .....	do .....	1,200
Geo. W. Knorr .....	do .....	1,200
Robt. B. Leeper .....	do .....	1,200
Lee C. Songer .....	do .....	1,200
Fred. W. Weston .....	Stock examiner .....	1,200
A. G. Bibb .....	do .....	1,200
Thos. W. Oshie .....	do .....	1,200
Henry Singleton .....	do .....	1,200
H. S. Newlove .....	Tagger .....	1,200
Do.....	Stock examiner .....	1,200
Chas. I. Waich .....	Tagger .....	1,200
Do.....	Stock examiner .....	1,200
Robt. R. Newman .....	Tagger .....	1,200
Alva C. Wyckoff .....	do .....	1,200
The Atchison, Topeka and Santa Fe Rwy. Co.		
Orrin L. Leighton .....		
The Wichita Union Stock Yards Co.		
Denver, Colo.		
Chas. H. Zink .....	Inspector .....	
Herbert B. Chaney .....	do .....	1,600
Do.....	do .....	1,1901
Wm. F. Jones .....	Assistant inspector .....	1,500
Thos. W. Oshie .....	Stock examiner .....	1,200
F. L. Simpson .....	do .....	900
H. V. Persells .....	Tagger .....	900
Do.....	Stock examiner .....	720
F. H. Herlinger .....	Tagger .....	900
Do.....	do .....	720
Davenport, Iowa.		
George Ditewig .....	Inspector .....	
Robt. L. Kelly .....	do .....	1,600

<sup>a</sup> Worked one-half day.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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<i>New Haven, Conn.</i>	Nathan K. Fegley .....	Inspector .....	Apr. 1, 1903	1,500	1,500.00	24.35
	Henry Leland .....	Stock examiner .....	Jan. 1, 1902	900	900.00	-
	Jno. L. Atchison .....	Tagger .....	July 1, 1900	720	720.00	-
<i>Topeka, Kans.</i>	F. L. De Wolf .....	Inspector .....	Apr. 1, 1903	1,500	1,500.00	2.73
	Wm. E. Hall .....	Stock examiner .....	do .....	900	900.00	-
	E. E. Laird .....	Tagger .....	Sept. 15, 1897	720	720.00	-
<i>Des Moines, Iowa.</i>	A. B. Morse .....	Inspector .....	Mar. 20, 1903	1,500	1,500.00	31.60
	A. C. Bennett .....	Tagger .....	Dec. 20, 1901	720	720.00	-
	Chicago and Northwestern Rwy. Co. ....					8.62
<i>Marshalltown, Iowa.</i>	Richd. J. Blanche .....	Inspector .....	Apr. 1, 1903	1,500	1,248.60	.75
	John O. F. Price .....	Stock examiner .....	Aug. 1, 1902	1,400	234.60	5.80
	do .....	do .....	Feb. 1, 1904	900	138.49	7.00
	Solomon C. Shale .....	Tagger .....	June 1, 1903	720	600.60	-
	Rufus Y. Maxson .....	do .....	Feb. 10, 1904	720	39.56	-
	O. E. G. Olmsted .....					16.50
	The Pittsburg, Cincinnati, Chicago and St. Louis Rwy. The Walash R. R. Co. ....					9.82
<i>Bloomington, Iowa.</i>	Fredk. Braginton .....	Inspector .....	Mar. 20, 1903	1,500	1,500.00	3.90
	Chas. Vandervoort .....	Tagger .....	May 16, 1893	720	750.00	-
	Do .....	do .....	Apr. 1, 1904	840	Transportation, Vandervoort .....	7.60
	Chicago and Alton Rwy. Co. ....					-
<i>Worcester, Mass.</i>	Edw. P. Dowd .....	Inspector .....	Mar. 25, 1903	1,500	1,500.00	1.00
	P. J. McFarland .....	Tagger .....	Dec. 19, 1901	720	720.00	-
<i>San Diego, Cal.</i>	Robert Darling .....	Inspector .....	Apr. 1, 1903	1,500	1,500.00	-
	Walter D. Benton .....	Stock examiner .....	Feb. 1, 1901	900	900.00	-
	Robert Darling .....					300.00
<i>Dayton, Ohio.</i>	Joseph M. Good .....	Inspector .....	Apr. 1, 1902	1,400	117.90	1.11

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscella-neous.	Travel-ing.
				Per diem.	Per annum.		
<i>Mason City, Iowa.</i>							
Albert J. Payne	Inspector	Jan. 1, 1901	Mar. 15, 1903	\$1,600	\$1,600		
Do.	do	Jan. 18, 1904					
• <i>Miscellaneous.</i>							
Ulysses G. Houck.	Inspector	Apr. 1, 1903		1,800		1,350.00	\$741.51
Rice P. Steddon.	do	do		1,800		301.70	33.77
Leroy Scribner	Clerk	Dec. 1, 1900		1,000		85.20	
S. R. Burch.	do						
R. W. Hickman.	do						
The Pennsylvania R. R. Co.	do						
New York, New Haven and Hartford R. R. Co.	do						
The Missouri Pacific Rwy. Co.	do						
New York Central and Hudson River R. R. Co.	do						
Chicago and Northwestern Rwy. Co.	do						
Chicago, Milwaukee and St. Paul Rwy. Co.	do						
Oregon Short Line R. R. do							
Denver and Rio Grande R. R. Co.	Transportation, Burch & Hickman.						
Union Pacific R. R. Co.	do						
The Lake Shore and Michigan Southern Rwy. Co.	do						
Pittsburg, Cincinnati, Chicago and St. Louis Rwy.	do						
Terre Haute and Indianapolis R. R.	do						
Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do						
Geo. E. Howard.	Labels, stamps, and tags.						
E. J. Brooks & Co.	Car seals and presses.						
Chicago Car Seal and Manufacturing Co.	Car seals and tags.						
Chadwick Copying Book Co.	Copying books.						
Estate of John C. Parker.	Stationery.						

## OPERATIONS OF BUREAU OF ANIMAL INDUSTRY.

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Miller Lock Co.....	84.45
Barber & Ross .....	85.14
Bausch & Lomb Optical Co.....	75.00
Clark & Davenport.....	160.68
M. Goldsmith & Son.....	95.00
Church & Stephenson.....	64.00
Old Dominion Paper Co.....	51.84
D. Frank Parker.....	25.80
Wm. E. Pratt.....	23.10
T. S. Buck Manufacturing Co.....	39.15
Lamb & Tilden.....	26.70
W. B. Moses & Sons.....	16.15
Rudolph, West & Co.....	14.75
Library Bureau.....	12.00
J. P. Nawrath.....	10.15
Littlefield, Alvord & Co.....	10.65
Wm. J. Crawford.....	1.40
Union Envelope Co.....	13.20
U. S. Envelope Co.....	8.00
Woodward & Lothrop.....	14.85
National Electrical Supply Co.....	10.50
Densmore Typewriter Co.....	6.30
James B. Lambie Co., Inc.....	6.68
Eberhard Faber.....	5.52
The Publishers and Printers' Engraving Co.....	5.00
E. L. Cushman.....	3.60
E. H. Catlin & Co.....	2.40
The Maurice Joyce Engraving Co.....	1.00
Ernest Betz.....	.75
Burlington and Missouri River R. R. in Nebraska.....	51.86
Chicago, Burlington and Quincy Rwy. Co.....	30.07
Star Union Line.....	26.64
Burlington route, Missouri lines.....	11.87
Chicago, Rock Island and Pacific Rwy. Co.....	24.25
Chicago and Alton Rwy.....	16.21
Illinois Central R. R.....	3.47
Chicago, Rock Island and Texas Rwy.....	1.49
Baltimore and Ohio R. R. Co.....	18.35
Baltimore and Ohio Southwestern.....	10.33
Chicago, St. Paul, Minneapolis and Omaha Rwy.....	.85
Chesapeake and Ohio Rwy. Co.....	.91
Michigan Central R. R. Co.....	.51
The Atchison, Topeka and Santa Fe Rwy. Co.....	7.18
Wabash R. R. Co.....	1.79

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.

MEAT INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

## MICROSCOPIC INSPECTION—BUREAU OF ANIMAL INDUSTRY.

Chicago, Ill.			
W. A. Savage.....	Inspector.....	Mar. 16, 1903	\$370.90
W. J. Stewart.....	do.....	1, 1902	1, 129.10
John B. Sine.....	Special stock examiner .....	Nov. 1, 1900	1, 200.00
J. N. Fitzgerald.....	Clerk.....	Aug. 15, 1901	
Do.....	do.....	Aug. 10, 1893	
E. B. Luce .....	do.....	Feb. 1, 1896	
W. A. Bitner .....	do.....	Feb. 15, 1898	
Jos. C. Exline .....	Tagger.....	July 10, 1902	
Bert Haskett .....	do.....	Nov. 10, 1899	
Herman Jacobus .....	do.....	June 27, 1895	
J. C. Lorenzen .....	do.....	do.....	
Theo. Sauer.....	do.....	Aug. 15, 1891	
As. R. Simpson .....	do.....	Oct. 10, 1898	
Albert Willey .....	do.....	July 25, 1901	
Bertha I. Allen .....	do.....	Dec. 20, 1897	
Maud S. Armstrong.....	Assistant microscopist .....	Jan. 28, 1904	
May E. Bablick.....	do.....	Apr. 6, 1898	
Ida Bonnister .....	do.....	Oct. 6, 1898	
Katie K. Barry .....	do.....	Sep. 1, 1893	
Mary K. Barry .....	do.....	May 1, 1892	

Addie E. Benneeson	op	Apr. 23, 1894	391, 13
Malvina A. Bixby	do	Aug. 20, 1897	600
Estella C. Bonds	do	Apr. 6, 1898	600
Veturia E. Boyd	do	Feb. 17, 1897	600
Kate H. Brady	do	Dec. 1, 1892	600
Martha E. Blandt	do	Dec. 7, 1896	600
Martha A. Brittan	do	May 16, 1898	600
Laura D. Burke	do	June 22, 1891	600
Agnes Chase	do	Oct. 6, 1898	600
Anna F. Clarke	do	Sept. 1, 1893	600
M.J. Connell	do	do	600
Mary Connolly	do	June 10, 1898	600
Nora Conway	do	Oct. 10, 1892	600
Tresey Cowan	do	May 16, 1898	600
May H. Crossy	do	Sept. 1, 1893	600
Lillie M. Crowell	do	Feb. 1, 1894	600
Nellie E. Damon	do	Feb. 5, 1894	600
Nina B. Davis	do	Jan. 3, 1898	600
Delta Dietz	do	Oct. 11, 1898	600
Bertha L. Diller	do	Sept. 1, 1893	600
Barbara Dorse	do	Feb. 26, 1894	600
Ella B. Earle	do	Mar. 25, 1895	600
Eliz. K. Eckert	do	Mar. 16, 1895	600
Margret Enright	do	Sept. 11, 1893	600
Matilda Evanson	do	Jan. 3, 1898	600
Mary F. Goggan	do	Aug. 9, 1897	600
Mary Gorman	do	Aug. 26, 1891	600
Char. R. Grosse	do	Oct. 11, 1898	600
Jennie E. Hatch	do	Sept. 7, 1897	600
Tessie C. Harvey	do	June 20, 1891	600
Bessie M. Healy	do	Oct. 6, 1898	600
Tillie Heil	do	Jan. 3, 1898	600
Jessie Hotkman	do	Dec. 20, 1897	600
Clara E. Holmes	do	Apr. 18, 1898	600
May E. Hochkiss	do	Mar. 1, 1895	600
Cora A. Houseman	do	June 10, 1898	600
Myrtle A. Hunt	do	Jan. 3, 1898	600
Mary Hunley	do	Dec. 1, 1893	600
Sarah A. Ingram	do	Apr. 11, 1898	600
Louise Johnson	do	Jan. 3, 1898	600
Mae B. Joslin	do	Aug. 20, 1897	600
Mary E. Kean	do	Sept. 1, 1893	600
Harriet F. King	do	Feb. 21, 1898	600
Anna Klingel	do	Mar. 10, 1898	600
Marie Kneeland	do	May 1, 1894	600
Alice Lawson	do	Aug. 9, 1897	600
Mary E. Leahy	do	Sept. 1, 1893	600
Kate R. Luce	do	Aug. 17, 1897	600
Amy T. Mace	do	Jan. 3, 1898	600
Evelyn S. Mayhew	do	Dec. 1, 1898	600
Rosanna McDonnell	do	Jan. 3, 1898	600
		Sept. 6, 1898	600

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

MICROSCOPIC INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.				
<i>Chicago, Ill.—Continued.</i>									
L. G. McGlasson.....	Assistant microscopist.....	May 1, 1892		\$600					\$395.93
Katie A. Murphy.....	do.....	Aug. 15, 1892		600					75.00
Mamie F. Murphy.....	do.....	Sept. 1, 1893		600					401.66
Eliz. L. Nell.....	do.....	Jun. 3, 1898		600					403.29
Annie Nicolai.....	do.....	Sept. 16, 1891		600					400.01
Agnes B. O'Brien.....	do.....	Aug. 9, 1897		600					367.29
Helen E. O'Brien.....	do.....	Oct. 6, 1898	Nov. 11, 1903	600					120.74
Bertha A. Ockerby.....	do.....	Feb. 13, 1904		600					276.37
Bessie D. Ogden.....	do.....	Mar. 15, 1895		600					404.07
Jessie G. Ogden.....	do.....	Aug. 6, 1894		600					409.81
Louise C. Olson.....	do.....	Jan. 3, 1898		600					289.07
Grace Puette.....	do.....	June 15, 1898		600					409.81
Anna M. Quinn.....	do.....	Oct. 1, 1894		600					408.18
Agnes B. Rieder.....	do.....	Dec. 20, 1897		600					408.18
Sarah A. Riley.....	do.....	Feb. 1, 1894		600					399.92
Belle Ritter.....	do.....	Dec. 1, 1894		600					404.11
Lila Robinson.....	do.....	Feb. 1, 1894		600					398.38
Josephine Rockwell.....	do.....	Jan. 3, 1898		600					406.53
Mabel Rockwell.....	do.....	Oct. 1, 1891		600					344.59
Blanche Roy.....	do.....	Dec. 1, 1894		600					409.81
Mary Sheehan.....	do.....	Jan. 1, 1893		600					404.81
Nellie A. Ryan.....	do.....	Oct. 10, 1892		600					361.36
Hannah Scanlan.....	do.....	Apr. 1, 1892		600					409.81
Ella Schwahn.....	do.....	Jan. 3, 1898		600					377.15
Mac Searis.....	do.....	Apr. 18, 1898		600					259.38
Mae H. Shaw.....	do.....	Dec. 7, 1896		600					401.57
Mary Sheehan.....	do.....	do.....	Oct. 1, 1898	600					409.81
Nellie Sheehan.....	do.....	do.....	Dec. 1, 1894	600					395.12
Jennie M. Shufeldt.....	do.....	do.....	Feb. 16, 1895	600					48.09
Mary Somers.....	do.....	do.....	Feb. 1, 1898	600					409.81
Daisy Stewart.....	do.....	do.....	Feb. 1, 1894	600					407.34
W. O. Sutherland.....	do.....	do.....	Feb. 15, 1894	600					408.18
Maggie Taylor.....	do.....	do.....	Feb. 17, 1894	600					186.76
H. Inez Temple.....	do.....	do.....	Feb. 7, 1894	600					327.70
Do.....	Microscopist.....	do.....	May 1, 1904	900					382.09
Josephine C. Tully.....	Assistant microscopist.....	do.....	Jan. 3, 1898	600					375.67
Katherine Tully.....	do.....	Mar. 1, 1898		600					268.09
Mildred E. Walters.....	do.....	Nov. 24, 1896		600					409.81
Carrie Wells.....	do.....	Dec. 18, 1893		600					

Clara Werther	do	Sept. 1, 1891	600	\$225.87
Marian Williams	do	Sept. 1, 1893	600	385.09
Mary E. Williams	do	Oct. 25, 1897	600	384.48
Edith V. Dewey	do	Nov. 1, 1898	a 30.00	337.32
John E. Dyson	Laborer	Dec. 1, 1897	a 30.00	337.32
John C. Lorenzen	do			\$6.57
Fahan & Byrne	do			417.15
Chicago Towel Supply Co.	do			2,700.00
The Consumers' Co.	do			298.85
				108.45
<i>South Omaha, Neb.</i>				
Levi P. Beechy	Inspector	June 24, 1901	1,400	1,089.20
Do	do	Dec. 1, 1908	1,500	
John T. Blair	Tagger	May 1, 1898	720	299.90
Edgar Jackson	do	June 15, 1903	720	478.10
John A. Milner	do	Sept. 9, 1903	720	180.00
Jean L. Nelson	Assistant microscopist	Sept. 26, 1902	720	60.60
Amelia M. Allyn	do	May 16, 1898	600	
Mary A. Atwood	do	Feb. 7, 1898	600	22.83
Menettable Barnes	do	Sept. 10, 1901	600	411.26
Alma M. Calkins	do	do	600	296.60
Mollie A. Conoyer	do	June 1, 1898	600	
Julu E. Gibson	do	May 22, 1893	600	318.02
Margaret Hogan	do	Sept. 26, 1893	600	308.27
Daisy C. Maus	do	do	600	
Mary H. Milton	do	Feb. 10, 1898	600	283.66
Mary E. Price	do	Sept. 1, 1897	600	22.82
Frannie Sage	do	Aug. 20, 1897	600	314.89
Dora Sawhill	do	Sept. 10, 1901	600	298.39
Edith M. Seyre	do	Feb. 1, 1902	600	288.61
Mizzie Spencer	do	Aug. 20, 1897	600	101.09
Mabel F. Stevens	do	Sept. 10, 1901	600	293.50
Mary Lynch	Laborer	Aug. 1, 1901	a 25.00	285.13
Frontier Towel Supply Co.	do			201.35
Henry Lehmann & Sons				
<i>Indianapolis, Ind.</i>				
Matt Quinn	Tagger	Apr. 16, 1893	720	
Do	Stock examiner	Mar. 1, 1904	900	60.60
Ezetta A. Bell	Assistant microscopist	Dec. 15, 1898	600	
Mary B. Clark	do	June 21, 1897	600	39.14
M. H. Dickinson	do	Feb. 1, 1898	600	35.87
Mary A. Egan	do	Oct. 1, 1894	600	39.14
Mary Lizzie Kellen	do	Aug. 20, 1897	600	21.20
Mary Lucid	do	Dec. 16, 1893	600	39.14
Flora F. Miller	do	Oct. 6, 1896	600	13.04
Mary Morrison	Laborer	Dec. 1, 1897	a 30.00	60.00
N. C. Sotensen				
<i>Oil stove...</i>				

a Per month.

*Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1904—Continued.*

## MICROSCOPIC INSPECTION—BUREAU OF ANIMAL INDUSTRY—Continued.